



**Kelkar Education Trust's
V. G. Vaze College of Arts, Science &
Commerce (Autonomous)**
Mithagar Road, Mulund (East) Mumbai - 400 081
| Re-Accredited (4th Cycle) by NAAC with "A"
Grade

POs, PSOs, COs of All Departments 2020-21-22 Year

Department of Economics

Course Outcomes

FYBA Economics

Semester I

1. To describe the fundamental Principles of Economics
2. To explain the basic concepts of Microeconomics
3. To draw functions, charts and equations based on basic concepts of economics
4. To analyse concepts of Microeconomics in daily life
5. To estimate consumer's equilibrium
6. To develop basic models on Microeconomics

FYBA Economics

Semester II

1. To identify producer's equilibrium and role of human capital in production
2. To classify the concepts of costs and revenue
3. To analyse the theory of distribution
4. To compare various market structures
5. To evaluate the socio-economic implications of various market structures

SYBA Economics

Semester III Paper II: Macroeconomics

1. To define various concepts of national income
2. To describe the process of National Income Accounting in India
3. To articulate the role of Government based on the Keynesian Principles
4. To connect the factors impacting demand for and supply of money
5. To appraise the monetary system in India

SYBA Economics

Semester IV Paper II: Macroeconomics

1. To identify the type and impact of inflation

2. To calculate inflation rates
3. To describe structure of Balance of Payments and factors affecting its equilibrium
4. To compare the impact of fiscal and monetary policy on IS-LM curves
5. To determine relative effectiveness of Fiscal and Monetary Policies

SYBA Economics

Semester III Paper III: Public Finance

1. To describe the fundamental principles of Public Finance
2. To explain provision public goods and merit goods
3. To classify Public revenue and Public Expenditure
4. To critically evaluate impact of public debt and its management
5. To evaluate Centre-State Financial Relations

SYBA Economics

Semester IV Paper III: Indian Economy

1. To describe features of Indian Economy
2. To discuss the regional imbalance and policies to overcome the same
3. To critically analyse the performance of farm sector in Indian Economy
4. To analyse the performance and issues of the Industrial Sector in the Indian Economy
5. To appraise the role of Service Sector in the Indian Economy

SYBA Economics

Semester III Applied Component: Market Research Techniques

1. To describe Market Research Techniques and their role in decision making of a firm
2. To explain the process of research
3. To analyse the sources of data
4. To distinguish between the various methods of sampling and their relative importance
5. To devise Market Research Survey

SYBA Economics

Semester IV Applied Component: Market Research Techniques

1. To identify various scales of measurement and their applications in research
2. To construct questionnaires for research
3. To explain qualitative data collection methods
4. To estimate a bivariate relationship using quantitative data analysis methods
5. To develop an independent research project

TYBA

Semester V Paper IV: Microeconomics III

1. To examine the price discrimination in monopoly and their efficiencies' associated
2. To describe the basics of Game theory
3. To apply the Game theory in hypothetical and real-life situations
4. To explain the working of Cartels
5. To explain basics of Welfare Economics

Semester V Paper V: Economics of Development

1. To describe issues in the process of development
2. To compare Human Development Indicators across countries
3. To analyse structural changes that take place in an economy during development
4. To Develop an analytical and scientific approach towards the issues of poverty and inequality
5. To examine the new advancements in the area of appropriate and sustainable technology

Semester V Paper VI: Financial Economics

1. To describe basics of Financial Assets and their Valuation
2. To calculate pricing and yields of fixed income securities
3. To evaluate risks involved in financial markets
4. To classify financial derivatives and trading strategies in futures and

Options

5. To compare capital structure, cost of capital and corporate dividend policy

Semester V Paper VII: Research Methodology

1. To describe the features of research
2. To develop a social science research project
3. To compare the sources of data and its usability
4. To calculate measures of central tendency and measures of variation
5. To apply computer software in data analysis

Semester V Paper VIII: Environmental Economics

1. To discuss environmental concerns in economic framework
2. To analyse socio-economic dimensions of environmental conservation
3. To evaluate environmental policy and its implementation in India and around the world
4. To classify use and non-use values of environmental resources
5. To discuss global environmental concerns and the effort taken to tackle them

Semester V Paper IX: History of Economic Thought

1. To distinguish different schools of thought in Economics and their fundamental theories
2. To explain the foundation of the Economic Theory laid down in the Classical Period
3. To explain the contribution of Neo-Classical Economists in proposing the fundamental theories of Microeconomics and Welfare Economics
4. To evaluate Keynesian theories
5. To distinguish different schools of thought in Economics and their fundamental theories

Semester VI Paper IV: Macroeconomics

1. To explain the formal models of Macroeconomic Issues
2. To explain the functioning of an Open Economy
3. To evaluate Mundell-Fleming Model
4. To compare the various exchange rate systems existing around the world

5. To describe an overview of the History of International Monetary Systems

Semester VI Paper V: International Economics

1. To evaluate the Classical and Modern theories of International Trade
2. To discuss the role of FDI
3. To describe the role of global supply chain, the role of BPOs and KPOs in the modern international business
4. To describe regional trade agreements
5. To evaluate the role of WTO in international trade
6. To critique the impact of international agreements on Indian economy

Semester VI Paper VI: Indian Financial System

1. To describe the component of Indian Financial System
2. To evaluate the performance of Indian Financial System based on the indicators of Financial Development
3. To explain the major developments in the banking sector in terms of reforms and the NPA crisis
4. To describe the new avenues of financing like Merchant Banking, Investment banking along with the money and capital markets
5. To explain the role of NBFCs, mutual funds and credit rating agencies in India

Semester VI Paper VII: Research Methodology

1. To apply the techniques of Correlation and Regression Analysis
2. To construct the basic Indices
3. To explain Formulation and Testing of Hypotheses
4. To develop a research report

Semester VI Paper VIII: Development Theory and Experience

1. To explain the impact of development on the demography of a country
2. To describe the changes in sectoral composition in an economy as an outcome of the development

efforts undertaken

3. To critically evaluate the policies formulated to deal with the issues of urban conglomerates
4. To explain the strategic interactions between the factors of production in rural areas
5. To describe the issues of resource allocation and environmental degradation

Semester VI Paper IX: International Trade Policy and Practice

1. To explain the recent developments in international trade and finance
2. To describe the dynamics of inter-regional and international trade
3. To evaluate the strategic international agreements and their impact
4. To describe the emerging financial architecture at the global level
5. To explain the impact and influence of foreign capital inflows

Program Specific Outcomes

1. To explain the fundamentals of economic theory and
2. To assess the impact of important Economic policies
3. To apply the principles of Research methodology in social sciences
4. To critically analyse various socio-economic issues.

Program Outcomes

To build sensitivity towards the social issues and conditions and to equip students with descriptive and inferential analysis for finding solutions.

PSOs:BA in English Literature

On completing the course, the students will be able to:

PSO1: Understand basic concepts and modern trends in English Literature and Language

PSO2: Comprehend various forms, genres, and movements, in literary and linguistic developments of various periods and countries.

PSO3: Define various Literary theories and critical approaches to interpret, analyse and appreciate texts of various genres in Literature

PSO4: Undertake basic research in the various studies of English Literature and Language

PSO5: Interpret, analyse, and evaluate a variety of spoken and written English

PSO6: Pursue higher education in the field of English and have a scope of employability in field of Teaching, Advertising, Journalism, and Creative Writing

PSO7: The learners will become informed of different cultural perspectives in literature and hence be tolerant to a variety of cultural, ethnic and global perspectives in literature

Course Outcomes:

FYBA

Paper: Name of the Paper: Communication Skills in English I

Course Code: ACSE101

Learners will be able to:

CO1: Develop competence in using various registers and styles of English

CO2: Display competence in spoken, written, and visual communication

CO3: Use current technology to improve communication skills

CO4: Construct grammatically correct sentences

CO5: Enhance soft skills

FYBA

Name of the Paper: Communication Skills in English II

Course Code: ACSE 201

Learners will be able to:

CO1: Develop competence in using various registers and styles of English

CO2: Expand and refine existing vocabulary

CO3: Construct various forms of formal and official correspondence like emails, letters, and SoPs

CO4: Improve speaking and presentation skills

CO5: Ability to prepare for job interviews and group discussion

FYBA Paper I: Name of the Paper: Paper I

Course Code: AENL109

Name of the Paper: Introduction to Literature (Part A)

Learners will be able to:

CO1: Understand different genres of literature

CO2: Write clearly, coherently and effectively about various genres of literature and develop self-expression

CO3: Understand the impact of social, cultural, economic, and emotional factors on literature

CO4: Recognize the context of a literary work

CO5: Identify and appreciate various literary text of multiple genres in literature

FYBA

Paper : Name of the Paper: Introduction to Literature – (Part B)

Course Code: AENL209

Learners will be able to:

CO1: Understand different genres of literature

CO2: Develop self-directed understanding of nuances of Indian literature

CO3: Understand the impact of social, cultural, economic, and emotional factors on literature

CO4: Recognize the socio-political context of a literary work

CO5: Appreciate and analyse poetry and drama critically

SYBA

Paper 2: Number of the Paper: I

Course Code: AENL 305

Name of the Paper: Indian Literature in English (Part A)

Learners will be able to:

CO1: Develop an understanding of and interest in Indian Writing in English

CO2: Analyse the social and cultural aspects of Indian literary texts

CO3: Imbibe the cultural context and develop a literary sensibility for Indian Literature in

English

CO4: Write critical appreciations of Indian English literary work

CO5: Understand and appreciate Indian multicultural sensibility

Paper 2: Number of the Paper: II

Course Code: AENL 405

Name of the Paper: Indian Literature in English (Part B)

Learners will be able to:

CO1: Develop an understanding of and interest in Indian Writing in English

CO2: Evaluate the socio-cultural aspects of Indian literary texts

CO3: Imbibe the cultural context and develop a literary sensibility for Indian Literature in

English

CO4: Write critical appreciations of Indian English literary work

CO5: Understand and appreciate the richness of Indian multicultural sensibility

SYBA

Paper 3: Number of the Paper: III

Course Code: AENL 306

Name of the Paper: American Literature (Part A)

Learners will be able to:

CO1: Develop an understanding of American Literature

CO2: Analyse the social and cultural aspects of American literary texts

CO3: Understand American themes of self-reliance, individualism, etc through its rich and multicultural literature

CO4: Understand the features of American modernism

CO5: Write critical appreciations of American literary work

SYBA

Name of the Paper: American Literature (Part B)

Course Code: AENL 406

Learners will be able to:

CO1: develop an understanding of American Literature

CO2: Analyse the social and cultural aspects of American literary texts

CO3: Understand the features of American modernism

CO4 Write critical appreciations of American literary work and works of American Diaspora

CO5 Understand and appreciate American multicultural sensibility through poetry and drama

SYBA

Name of the Paper: Introduction to Journalism (Part A)

Course Code : AJRL 319

Learners will be able to:

CO1: Understand the working of various departments of a newspaper house

CO2: Write in various journalistic formats effectively

CO3: Develop a career perspective in journalism

CO4: Expand the knowledge on history of journalism in India

CO5: Work independently on projects such as editing, feature writing and reporting tasks

SYBA

Name of the Paper: Introduction to Journalism (Part B): Part II

Course Code : AJRL 419

Learners will be able to:

CO1: Understand the working of various departments of a newspaper house

CO2: Write in various journalistic formats effectively

CO3: Recognize ethical and legal issues in journalism

CO4: Skilled in reporting and writing for print

CO5: Work independently on projects such as editing, feature writing and reporting tasks

Name of the Paper: Introduction to Advertising (Part A)

Course Code: AADV 320

Learners will be able to:

CO1: Understand overall importance of advertisement in business world and the working of various departments of an ad agency

CO2: Demonstrate an understanding of history of advertising

CO3: Develop a career perspective in advertising

CO4: Be aware of the ethical and legal issues in advertising

CO5: Work independently on projects such as review of ads, market survey, etc. also to understand advertising budgets and strategies

Name of the Paper: Introduction to Advertising (Part B)

Course Code : AADV420

Learners will be able to:

CO1: Demonstrate an understanding of various departments and forms of advertising

CO2: Understand how media ratings are conducted

CO3: Develop a career perspective in advertising

CO4: Be aware of the various media research organizations in India and at global level and understand ethical and legal issues in advertising

CO5: Work independently on projects such as review of ads, market survey etc

TYBA Paper 4: Number of the Paper: IV

Name of the Paper: 16th to 18th Century English Literature (Part A)

Course Code: AENL501

Learners will be able to:

CO1: Understand the distinctive features of English literature of the 16th, 17th and 18th centuries

CO2: Appreciate the role of the socio-cultural environment in influencing the writers' philosophy and thought processes

CO3: Write critical appreciation of the works of the literary masters of the age

CO4: Read with appreciation the different writing styles that are seen in each age

CO5: Employ analytical skills in reading and discussing the literary works

TYBA Paper 5: Number of the Paper: V

Name of the Paper: Literary Criticism (Part A)

Course Code : AENL502

CO1: Use some important critical terms

CO2: Be aware of the nature and functions of literature and criticism

CO3: Imbibe the technique of close reading of literary texts for effective analysis

CO4; Understand the various literary theories and critical approaches

CO5: Be familiar with the tenets of practical criticism

TYBA Paper 6: Number of the Paper: VI

Name of the Paper: Grammar and the Art of Writing (Part A)

Course Code : AENL503

Learners will be able to:

CO1: Use English effectively and coherently

CO2: Be aware of the rules of word formation in English

CO3: Imbibe the sounds and phonemic features of English

CO4: Acquire a basic understanding of sentence structures

CO5: Write effectively in various domains Recommended

TYBA Paper 7: Number of the Paper: VII

Name of the Paper: 19th Century English Literature (Part A)

Course Code: AENL504

Learners will be able to:

CO1: View literary works in their dynamic interface with the background

CO2: Understand the literature of the 19th century as a complex outcome of artistic, intellectual and socio-political cross-currents

CO3: Appreciate poetry as mirroring private personality, protest and subsequently, public concerns

CO4: View the development of the Romantic literature as a part of the changing sensibility

CO5: Contextualize the impulses behind the significant emergence of women's writing in the 19th century Recommended

TYBA: Paper 8: Number of the Paper: VIII

Name of the Paper: 20th Century British Literature (Part A)

Course Code: AENL505

Learners will be able to:

CO1: Develop a comprehensive understanding of literary genres, trends and movements in 20th Century British Literature

CO2: Understand the valuable co-relation between the socio-cultural, economical and historical contexts; behind the literary production

CO3: Become reflective and imaginative thinkers through a close, critical and analytical reading of the prescribed texts

CO4: View the development of the Modern British literature as a part of the changing sensibility

CO5: Contextualize the impulses behind the significant emergence of women's writing in the 20th century Recommended Resources

TYBA Paper 9: Number of the Paper: IX

Name of the Paper: Drama and Theatre (Elective) (Part A)

Course Code: AENL506

Learners will be able to:

CO1: Develop a comprehensive understanding of the elements of drama

CO2: Analyze the social and artistic movements that have shaped theatre and drama

CO3: Demonstrate knowledge of the history of drama and theatre

CO4: Write a script and play review and to participate in the production of a play as actors, directors, and technicians

CO5: Differentiate between various theatres and styles of production

TYBA Paper 4: Number of the Paper: IV

Name of the Paper: 16th to 18th Century English Literature (Part B)

Course Code: AENL601

Learners will be able to:

CO1: Understand the distinctive features of English literature of the 16th, 17th, and 18th centuries

CO2: Appreciate the role of the social milieu in influencing the writers' philosophy and thought processes

CO3: Write critical appreciation of the works of the literary masters of the age

CO4: Read with appreciation the different writing styles that are seen in each age

CO5: Employ analytical skills in reading and discussing the literary works

TYBA Paper 5: Number of the Paper: V

Name of the Paper: Literary Criticism (Part B)

Course Code: AENL602

Learners will be able to:

CO1: Use some important critical terms

CO2: Be aware of the nature and functions of literature and criticism

CO3: Imbibe the technique of close reading of literary texts for effective analysis

CO4: Understand the various literary theories and critical approaches

CO5: Be familiar with the tenets of practical criticism

TYBA Paper 6: Number of the Paper: VI

Name of the Paper: Grammar and the Art of Writing (Part B)

Course Code: AENL603

Learners will be able to:

CO1: Use English effectively and coherently

CO2: Be aware of the rules of word formation in English

CO3: Imbibe the sounds and phonemic features of English

CO4: Acquire a basic understanding of sentence structures

CO5: Write effectively in various domains

TYBA Paper 7: Number of the Paper: VII

Name of the Paper: 19th Century English Literature (Part B)

Course Code: AENL604

Learners will be able to:

CO1: View literary works in their dynamic interface with the background

CO2: Understand the literature of the 19th century as a complex outcome of artistic, intellectual and socio-political cross-currents

CO3: Appreciate poetry as mirroring private personality, protest and subsequently, public concerns

CO4: View the development of the Victorian Novel as informed by Victorian morality as well as by larger democratic processes

CO5: Contextualize the impulses behind the significant emergence of women's writing and movements in the 19th century

TYBA Paper 8: Number of the Paper: VIII

Name of the Paper: 20th Century British Literature (Part B)

Course Code : AENL605

Learners will be able to:

CO1: Develop a comprehensive understanding of literary genres, trends and movements in 20th Century British Literature

CO2: Understand the valuable co-relation between the socio-cultural, economical and historical contexts; behind the literary production

CO3: Become reflective and imaginative thinkers through a close, critical and analytical reading of the prescribed texts

CO4: View the development of the Modern British literature as a part of the changing sensibility

CO5: Contextualize the impulses behind the significant emergence of women's writing in the 20th century

TYBA: Paper 9: Number of the Paper: IX

Name of the Paper: Drama and Theatre (Elective) (Part B)

Course Code : AENL606

Learners will be able to:

CO1: Develop a comprehensive understanding of the elements of drama

CO2: Analyze the social and artistic movements that have shaped theatre and drama

CO3: Demonstrate knowledge of the history of drama and theatre

CO4: Write a script and play review and to participate in the production of a play as actors, directors and technicians

CO5: Differentiate between various theatres and styles of production

FOUNDATION COURSE – COURSE OUTCOMES

FYBA/BCOM/BSC/BAF/BII/BT

ASCFC101

Paper I A

Foundation Course (Skill Enhancement Course)

1. Recall cultural and regional diversities in India and factors binding them into a composite culture; identify areas where development policies need to be addressed.
2. Demonstrate knowledge of issues related to gender disparity, problems of the elderly, people with disabilities and suggest solutions for the same.
3. Identify causes leading to conflicts between diverse social and regional groups and develop strategies towards social harmony.
4. Classify the features, structure of the Indian constitution, the fundamental duties of the citizens, and analyze political processes in India.
5. Evaluate knowledge about the multicultural nature of Indian society and the Indian political system, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and be able to evaluate the value of information acquired.

FYBA/BCOM/BSC/BAF/BII/BT

ASCFC201

PAPER I B

Foundation Course (Skill Enhancement Course)

1. Describe different aspects of liberalization, privatization and globalization and recall social, cultural, and economic impact of globalization in India.
2. Comprehend the concept of human rights, the role of philosophers and explain the landmark events in the evolution of human rights.

3. Identify the human-environment interrelationship; and use the UN sustainable development goals to form a plan for integrated sustainable development in their near and distant environment.
4. Examine situations that create stress, and conflict and chart out strategies to reduce the same to create harmony within the self and society.
5. Evaluate knowledge about the impact of globalization, evolution of human rights, sustainable development goals, and management of stress and conflicts, comprehend and express lessons learned in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learned, establish a connect with present situations and be able to evaluate the value of information acquired.

ASCFC301

PAPER II A (SYBA/SYBCOM)

Foundation Course (Contemporary Issues)

COURSE OUTCOMES

1. List the problems of the vulnerable groups and the redressal mechanisms available for them; define science and describe its characteristics.
2. Classify disasters and explain different stages of disaster management with the help of case studies and assess human rights issues in the disaster-affected areas.
3. Analyse the benefits of science to humanity, and the growth of science and technology through ages.
4. Appraise the Right to Education & Health as provided in the Indian constitution; assess the obstacles in its application, and issues related to open education resources and copyrights.
5. Evaluate the knowledge gained in their immediate and distant environment, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically

what they have learnt, establish a connect with present situations and be in a position to evaluate the value of information acquired.

ASCFC301

PAPER II A (SYBSC)

Foundation Course (Contemporary Issues)

1. List the problems of the vulnerable groups and the redressal mechanisms available for them; define science and describe its characteristics.
2. Classify disasters and explain different stages of disaster management with the help of case studies and assess human rights issues in the disaster-affected areas.
3. Analyse the benefits of science to humanity, and the growth of science and technology through ages.
4. Determine skills required for good communication, leadership, and team building.
5. Evaluate the knowledge gained in their immediate and distant environment, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and be able to evaluate the value of information acquired.

ASCFC401

PAPER II B (SYBA/SYBCOM/SYBSC)

Foundation Course (Contemporary Issues)

1. List the rights available to citizens and the role of Right to Information and Public Interest Litigation, Citizens' Charter and Public Services Act in better governance.

2. Classify various competitive exams and soft skills required for success in their personal and professional life.
 3. Assume responsibility to follow environmental principles for ecological balance.
 4. Analyse the benefits of modern technologies and issues of lack of access to technologies and misuse of technologies.
 5. Evaluate knowledge gained in their immediate and distant environment, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and be able to evaluate the value of information acquired.
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HISTORY DEPARTMENT

Program Specific Outcomes (PSOs)

PSOs: BA in History

Students will be able to:

PSO1. Describe, understand, and classify various source materials available for the study of the different periods of history; Indian and Foreign.

PSO2. Comment on the social, political, educational, religious, cultural and economic developments of different dynasties that ruled India, critique landmark events in world history and understand their causes and impact.

PSO3. Acquire sensitivity to the environment, discernment to cultural heritage and concern for the underprivileged.

PSO4. Analyse and demonstrate their knowledge about the significance of source materials, explain the methods of data collection and analysis, present research reports and apply the skills of research methodology, archaeology, heritage tourism, archival sciences, numismatics, and library management towards employability.

PSO5. Critically evaluate the knowledge acquired, apply the information in assignments and presentations and express lessons learnt, at examinations and job interviews.

PSO6. Examine the lessons learnt from the past judiciously to establish a connect with current situations and commit to norms and ethical guidelines of regulatory bodies.

COURSE OUTCOMES (Cos)

FYBA

AHST107

PAPER I A

Ancient India from Earliest Times to 322 B.C.E.

Course Outcomes:

Students will be able to:

- CO1.** Describe, classify and differentiate the sources for the study of Ancient Indian History
- CO2.** Recall the persons responsible for the discovery of the Indus Valley civilization and its extent, detail the features of socio-economic, cultural, and religious life of the people, critique the town planning and argue the decline of the civilization.
- CO3.** Analyse the socio-economic, religious, and political life of the Vedic age.
- CO4.** Assess the political conditions in India leading to the rise of Magadha, critique the Persian and Greek invasions and argue for the rise of Jainism and Buddhism.
- CO5.** Disseminate knowledge about significant aspects of Ancient India in the period of study, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what has been taught and evaluate the value of information acquired.

AHST207

PAPER I B

Ancient India from 322 B.C.E. TO 1000 C.E

Course Outcomes:

Students will be able to:

CO1. Describe the process of empire building by citing examples of the different empires of Ancient India like the Mauryan Empire, Satavahana Empire, Gupta Empire, and the dynasties of South India.

CO2. Comprehend the various aspects of an empire like the socio-economic conditions, religious life as well as the progress made in culture, literature, and science by those living in Ancient India.

CO3. Assess the administrative policies of various empires in ancient India and analyse the spread of Indian culture in Southeast Asia.

CO4. Examine the transition from ancient period to the early medieval era with respect to rise of Rajputs and Arab invasion.

CO5. Evaluate the knowledge about significant aspects of Ancient India in the period of study, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what has been taught and evaluate the value of information acquired.

SYBA

AHST307

PAPER II A

Name of the paper: MILESTONES IN WORLD HISTORY (1300 CE -1914 CE)

Course Outcomes:

Students will be able to:

CO1 Describe the Renaissance, explain the various Geographical Discoveries and understand the split in the Roman Catholic Church.

CO2 Comprehend the landmark revolutions in Europe, identify reasons for the collapse of absolutism and analyse the impact of the revolutions.

CO3 Compare and contrast the Industrial Revolutions with previous revolutions, examine the causes and impact of the Industrial Revolution and collate it with the rise of Imperialism.

CO4 Identify the factors responsible for the rise and growth of nationalism and interpret its manifestations, course and impact.

CO5 Disseminate knowledge about landmark world events, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what has been learnt, establish a connect with present situations and evaluate the value of information acquired.

AHST407

PAPER II B

Name of the paper: MILESTONES IN WORLD HISTORY (1914 CE-1945 CE)

Course Outcomes:

Students will be able to:

CO1 Describe the nature, causes and consequences of the First World War and understand the achievements and failures of the League of Nations.

CO2 Identify the causes for post-war dictatorship Europe & study its impact.

CO3 Review the reasons for the Second World War, investigate major battles and estimate strategies, appraise its impact and debate the functioning, achievements and failures of the UNO

CO4 Analyse the leadership in the Asian world in the 20thc, assess, compare and contrast and critique the modernization programs under Asian leadership

CO5 Disseminate knowledge about landmark world events of the 20thc, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what has been learnt, establish a connect with present situations and evaluate the value of information acquired.

TYBA

AHST308

PAPER III A

HISTORY OF MODERN INDIA (1857 – 1947)

Course Outcomes:

Students will be able to:

CO1. Describe the nature and significance of the ‘war of independence’ by Indians against the British colonial rule and the factors leading to the birth of the Indian National Congress.

CO2. Understand the phases and trends in the Indian struggle for independence and the impact of these distinct phases.

CO3. Review Satyagraha and its principles as laid down by Gandhi and recognise the relevance of the Gandhian movements.

CO4. Analyse the events leading to the independence of India; the causes and consequences of the partition of India.

CO5. Evaluate knowledge about the Indian freedom struggle, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and be in a position to evaluate the value of information acquired.

AHST408

PAPER III B

HISTORY OF MODERN INDIA: SOCIETY AND ECONOMY

Course Outcomes:

Students will be able to:

CO1. Describe the nature and impact of various socio-religious reform movements of this period.

CO2. Trace the growth and developments in the field of education, press and transport in Modern India.

CO3. Assess the impact of British imperialism on Indian economy with help of the 'Drain theory' and critique its impact on Indian agriculture, indigenous industry and growth of modern industries.

CO4. Analyse the conditions of the marginalised sections of the society during the modern period of Indian history and assess their contribution in the freedom struggle.

CO5. Disseminate knowledge about the society and economy in Modern India, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and be able to evaluate the value of information acquired.

TYBA

Paper IV A

Code: AHST501

History of Medieval India (1000 CE-1707CE): Some Political Aspects

Course Outcomes

Students will be able to

CO1. List and classify sources of Medieval Indian history and state their importance for understanding the history of medieval India.

CO2. Describe the geopolitical conditions prevalent in India on the eve of the Turkish invasion in 11th century C.E. and comprehend the impact of the Ghaznavid and Ghurid invasions in India.

CO3. Review the political developments in India under the Delhi Sultanate and the Mughal rule.

CO4. Analyse the political developments in Deccan and South India as a result of the Turkish & Mughal invasions and coming of the European trading

Companies.

CO5. Assess the administrative policies introduced during the different phases of the medieval history of India with reference to the central, provincial, judicial, military administration.

CO6. Evaluate the political and administrative developments during the Medieval period of Indian history in the form of answers, apply knowledge acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and evaluate the value of inputs gained by them.

Paper V A

Code: AHST502

History of Independent India (1947 CE - 1984 CE)

Course Outcomes

Students will be able to

CO1. Describe the process of constitution making in India and explain its features and trace the reorganization and integration of Indian States.

CO2. Identify the policies of Nehruvian era in laying the foundation of India's nation building.

CO3. Critique the political developments in India after Nehru and India's foreign policy.

CO4. Review socio-economic reforms post 1964, assess policies for the empowerment of the socially and economically underprivileged and interpret the reasons for the growth of separatism and communalism.

CO5. Appraise the developments of the Nehruvian and post-1964 India in the form of answers, apply knowledge acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and evaluate the value of inputs gained by them.

Paper VI A

Code: AHST 503

Introduction to Archaeology and Heritage Tourism

Course Outcomes

Students will be able to ...

- CO1.** Define Archaeology, epigraphy and numismatics and explain its nature and scope; trace its development in India.
- CO2.** Recognise the interconnection between Archaeology, epigraphy and numismatics and other disciplines.
- CO3.** Examine the methods of excavation, types of inscriptions and coinage and judge its significance in re-constructing history of India.
- CO4.** Relate the role of archaeology in development of heritage tourism.
- CO5.** Analyse the nuances of heritage tourism management.
- CO6.** Disseminate the value and importance of archaeology, epigraphy, numismatics, and heritage tourism and be able to put them across in the form of answers and apply knowledge acquired in the writing of assignments and presentations and for larger projects and research work in the future.

TYBA Paper VII A

AHST504

Name of the paper: History of the Marathas (1630 CE – 1707CE)

Course Outcomes

Students will be able to ...

- CO1.** Describe the geo-political and socioeconomic conditions of the Deccan in the early 17th century C.E. which led to the foundation of the Maratha Swarajya.
- CO2.** Interpret the role of Shivaji in the establishment of the Maratha Kingdom and his relations with the other political powers of that period.
- CO3.** Comprehend and evaluate the need for and the significance of the Royal Coronation of Shivaji and appraise his military career.

CO4. Critique the career and achievements of Sambhaji and Rajaram; review the conditions that led to the outbreak of Civil War between Tarabai and Shahu and its impact.

CO5. Examine the nuances of the administration during the Royal Period of the history of the Marathas under Shivaji. Disseminate knowledge about significant aspects of the Marathas during the Royal Period, express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what has been taught and evaluate the value of information acquired.

AHST505

PAPER VIII A

Name of the paper: History of the Contemporary World (1945 CE – 2000 CE)

Course Outcomes:

Students will be able to:

CO1 Describe bipolarity and cold war politics post the Second World War, understand Satellization and Containment and explain the revival of western Europe and the emergence of the EU.

CO2 Comprehend and appreciate the major struggles in the world for equal rights.

CO3 Critique the disintegration of the USSR, grasp the impact of the same on Eastern Europe and recognise the emergence of the US as a dominant world power.

CO4 Assess the major trends in the world towards sustainable development, appraise the movement for the empowerment of women and construct the strides made by the LGBTQ movement.

CO5 Evaluate the importance of studying the history of the contemporary world, articulate lessons learnt in the form of answers, communicate the information acquired into assignments and presentations, examine critically what they have learnt, and be in a position to evaluate the value of information acquired.

AHST506

PAPER IX A

Name of the paper: Research Methodology in Social Sciences: Writing History; Sources, Critical Methods & Report Writing

Course Outcomes:

Students will be able to:

CO1. Define Sources and describe the variety of sources students of history can avail of for the writing of history, classify source material and learn to corroborate source material.

CO2 Appraise and Assess the appropriateness of methods for data collection as well as identify correct tools for the same.

CO3 Examine the critical processes a historian needs to use while writing history, identify the stages of data processing, interpret and analyse source material.

CO4 Catalogue various types of research reports, recognise and demonstrate the steps in historical research and execute a project of historical research.

CO5 Communicate learnings at examinations, apply knowledge acquired in the writing of assignments and presentations and engage with projects and research works in the future.

Paper IV B

Code: AHST601

HISTORY OF MEDIEVAL INDIA (1000 C.E.-1707C.E.): ASPECTS OF SOCIAL, CULTURAL AND ECONOMIC LIFE

Course Outcomes

Students will be able to ...

CO1. Describe the socioeconomic conditions prevalent in India at the turn of the 11th century C.E., understand the impact of Delhi Sultanate and the Mughal Empire on society and recount the social conditions in Deccan and South India during the period of study.

CO2. Acknowledge the evolving nature of the religious life of people in India throughout the medieval period; trace the developments in the field of education and literature in the different phases of medieval Indian history.

CO3. Assess the salient features of the cultural legacies of the medieval period including art and architecture, fine arts and performing arts.

CO4. Analyse the economic life of the people in the medieval period, recount the developments in agriculture, industry, and trade in the period of study and articulate their impact on the economic life of the people in medieval India.

CO5. Evaluate the significance of social and economic history of the medieval period and its interconnection with the political history of medieval India, articulate lessons learnt in the form of answers, communicate the information acquired into assignments and presentations, examine critically what they have learnt, and be able to evaluate the value of information acquired.

Paper V B

Code: AHST 602

History of Modern Maharashtra (1818 CE - 1960 CE)

Course Outcomes

Students will be able to ...

CO1. Describe the socio-economic and political conditions of Maharashtra in the 19thc, identify the contribution of Maharashtra to India's freedom struggle and explain the phases of the Samyukta Maharashtra Movement.

CO2. Recognise the contribution of various socio-political associations and individuals for their role in the awakening of Maharashtra as well as the growth of economic nationalism in the state.

CO3. Assess the role of trade, textile industry, the banking sector, and the stock exchange in Mumbai as the key factor in the growth of Maharashtra's economy.

CO4. Appraise the growth of theatre, cinema, art and architecture in modern Maharashtra.

CO5. Evaluate the importance of studying regional history, articulate lessons learnt in the form of answers, communicate the information acquired into assignments and presentations, examine critically what they have learnt, and be in a position to evaluate the value of information acquired.

Paper VI B

Code: AHST 603

MUSEOLOGY, ARCHIVAL SCIENCE AND LIBRARY SCIENCE

Course Outcomes

Students will be able to ...

CO1. Define Museology, Archival Science and Library Science and trace their development in India.

CO2. Understand the conservation and preservation techniques of the materials in the museums, archives, and libraries.

CO3. Assess the significance of museums, archives, and libraries as important sources of history.

CO4. Apply the knowledge of management of museums, archives, and libraries to increase the employability of the learners.

CO5. Evaluate the importance of the study of museology, archival science, and library science; and have the ability to put the acquired information across in the form of answers and apply knowledge acquired in the writing of assignments and presentations and for larger projects and research work in the future.

AHST604

PAPER VII B

Name of the paper: History of the Marathas (1707 CE – 1818 CE)

Course Outcomes

Students will be able to ...

CO1 Describe the rise to power of the Peshwas and comprehend their relations with other contemporary political powers in India in the 18th century C.E.

CO2 Review the significance of the Third Battle of Panipat and critique its effect on the Maratha Empire.

CO3 Analyse efforts made by Peshwa Madhavrao for the revival of the Maratha power in the Deccan and the North and review the efforts of the Marathas to reclaim their former glory and influence; critically examine the downfall of the Maratha Empire.

CO4 Assess the nuances of the Peshwa administration and compare it with the administration during the Royal period; trace the sociocultural developments during the Peshwa Period.

CO5 Disseminate knowledge about landmark events during the Peshwa period of the history of the Marathas, express lessons learnt while writing answers, apply the information gained in creating assignments and presentations, examine critically what they have learnt and evaluate the value of information acquired.

AHST605

PAPER VIII B

Name of the paper: History of Asia (1945 CE – 2000 CE)

Course Outcomes:

Students will be able to:

CO1 Describe the birth of Communist China, explain the program of economic modernization and foreign policy with the West and argue the occupation of Japan

after World War II, the consequent economic miracle in Japan after the end of occupation as well as foreign relations of Japan with the superpowers.

CO2 Analyse the impact of Cold War politics in Vietnam, Afghanistan and know the reasons for the creation of the SEATO.

CO3 Examine the impact of the creation of Israel, be familiar with the Iranian Revolution and be informed about the Iran-Iraq war and the Gulf War in West Asia.

CO4 Identify the authoritarian regimes of Asia, critique the women leaders who made a mark in the continent and evaluate the working and success of some regional collaborations in Asia.

CO5 Disseminate knowledge about landmark events in Asia, express lessons learnt while writing answers, apply the information gained in creating assignments and presentations, examine critically what they have learnt and evaluate the value of information acquired.

AHST606

PAPER IX B

Research Methodology in Social Sciences: Writing History; Historiography, Trends & Approaches

Course Outcomes:

Students will be able to:

CO1 Define History, understand why the study of history is important and describe the scope and nature of history.

CO2 Appraise the importance of Auxiliary Science in the study of history and assess the value of ethics in historical research.

CO3 Examine the historiography of Indian history writing and name historians associated with the varied schools of thought.

CO4 Catalogue the trends and approaches in the writing of history and evaluate the significance of the theoretical and methodological range history writing has

CO5 Express acquired information in the form of answers during examinations and apply the knowledge acquired in the writing of assignments and presentations and for larger projects and future research work.

PSOs:

BA in HINDI

विद्यार्थीसक्षमहोसकेंगे...

PSO

1.

अभिव्यक्तिकेसबसेसमर्थसृजनात्मकपद्धतिसेपरिचितहोनेसाथहीकथाकौशलकाविकासहोगा।

PSO.2. कथाकेमाध्यमसेमानव-संस्कृतिऔरआचरणकीसार्थकसमझपैदाहोगी।

PSO.3.

सिनेमाएवंटेलीविजनहेतुयोग्यताउत्पन्नहोगीजिससेकिभाषाआधारितविभिन्नक्षेत्रोंमेंशिक्षार्थीरोजगारकेयोग्यबनेंगे।

PSO.4.

विद्यार्थियोंमेंमानवीयसंवेदनाओंकेविकासकेसाथनवीनसामाजिक, सांस्कृतिकबोधऔरजीवनमूल्योंकाविकासहोगा।

PSO.5.

विद्यार्थियोंमेंसाहित्यकेमाध्यमसेकलात्मकगुणोंकीअभिवृद्धिहोगी।कलाकीसाहित्यिकविधाओंकेप्रतिअभिरुचिजागृतहोगीतथारचनात्मककौशलकोबढ़ावामिलेगा।

PSO.

6.

विद्यार्थियोंकोनएवैश्विकमूल्योंकेप्रतिसजगताकोबढ़ावामिलेगाएवंपर्यावरणचेतनाकेप्रतिदायित्वबोधउत्पन्नहोगा।

Course Outcomes:

FYBA PAPER 0 : AHNC101

NAME OF THE PAPER : HINDI COMPULSORY- PART A

CO1 विद्यार्थियोंकोकविताऔरकहानीकेसाथलेखककेजीवनसेपरिचयकरवाना।

CO2

लेखनकीविविधकलाओंमेंकविताकेशब्दार्थोंकाभावनात्मकरूपसेपरिचयकरवातेहुएउनकेबोधरूपकोपहचानना।

CO3

विभिन्नप्रकारकेलेखनविधाओंकापरिचयकरवातेतथाविद्यार्थियोंमेंप्रस्तुतिकरणकास्वरूपसमझाना।

CO4

औपचारिकतथाअनौपचारिकरूपसेपत्रोंकालेखनवआवेदनतथासुझावकेसाथअन्यउपयोगीज्ञानदेना।

CO5 अनेकप्रकारसेलिखेगएशब्दोंकोशुद्धकरतेहुएवर्तनीकाज्ञानदेना।

CO6

विद्यार्थियोंमेंलेखनशुरूकरनेकेप्रथमचरणकेरूपमेंभाषाकीसमृद्धिपरबलदेनाऔरभाषाबोधकरवाना।

FYBA PAPER 0 : AHNC201

NAME OF THE PAPER : HINDI COMPULSORY - PART B

CO1

निबंधलेखनऔरसंवादलेखनकेद्वाराभावऔरविचारकीअभिव्यक्तिमेंवृद्धिकरविद्यार्थियोंकोजागरूककरना।

CO2

निबंधशैलीमेंसामाजिक, समसामयिक, शैक्षणिक, वैचारिकतथाआत्मकथात्मकनिबंधलेखनकोसमझना।

CO3 मुहावरोंऔरव्याकरणकीशुद्धताकोसमझानाऔरभाषाकोसमृद्धकरना।

CO4

शैलीकोसमझतेहुएसंवादलेखनकेस्वरूपकोढालनावउनमेंसमुचितवाक्यविन्यासकेद्वाराअभिव्यक्तिक्षमताकोप्रदर्शितकरना।

CO5 लेखनीकीअंतरंगताकोसमझनातथाउनकेस्वरूपकोलेखनकीविधाकेअनुरूपढालना।

FYBA PAPER 1 : AHNL101

NAME OF THE PAPER : ANCILLARY HINDI - PART A

CO1 साहित्यकेसामाजिक, आर्थिकऔरभावनात्मककारकोकोसमझना।

CO2 साहित्यकीविविधविधाओंकोसमझकरपरिभाषितकरनेकाप्रयास।

CO3 साहित्यिककृतिकेसंदर्भकोपहचानना।

CO4 हिन्दीकहानीकेआरंभसेलेकरअद्यतनकहानीकीप्रवृत्तियोंएवंकहानीकेविकाससेअवगतकराना।

CO5 साहित्यकीविविधविधाओंकेबारेमेंसुसंगततथाप्रभावीरूपसेलिखना।

CO6 विद्यार्थियोंकानवीनगद्यविधाओंकेस्वरूप-विवेचनतथाविशेषताओंसेपरिचयकराना।

FYBA PAPER 1 : AHNL201

NAME OF THE PAPER : ANCILLARY HINDI - PART B

CO1 विद्यार्थियोंकेद्वारागद्यविविधआयामोंकोपहचानकरउनसेपरिचितकराना।

CO2 पाठ्यपुस्तकआधारितभिन्नप्रकारकीविधाओंकोसमायोजितकरना।

CO3

व्यंग्य,

यात्रावृत्तांतएवंजीवनकेसंदर्भमेंसत्यवादिताकेसाथलेखनीकोअत्यधिकमजबूतकरनेकाविधाकोप्रोत्साहनदेना।

CO4 साहित्यकीउपन्यासविधाओंकोसमझकरयोजनाबद्धतरीकेसेउनकाआकलनकरना।

CO5 सुसंगततथाप्रभावीरूपसेलेखनकार्यकरना।

CO6 संदर्भोंकेसाथव्याख्याविधाओंकीसमझपैदाकरउन्हेंव्याख्यायितकरना।

SYBA PAPER 2 : AHNL301

NAME OF THE PAPER : HINDI POEM PART - A

CO1

हिन्दीसाहित्यकेप्राचीनएवंमध्यकालीनकाव्यकाआकलनकरनेमेंविद्यार्थियोंकोदक्षताप्रदानकराना।

CO2 संवादलेखनकेसाथहीसंवादकौशलकेविभिन्नआयामोंकोबताकरप्रवीणकरना।

CO3 भक्तिकालकेकाव्यकेजागरणऔरसुधारकार्योंकेविषयमेंसामाजिकउपयोगिता।

CO4 काव्यलेखनकेमाध्यमसेमानवीयमूल्योंकेमहत्त्वकोबताना।

CO5 मध्यकालीनकवियोंकेसंदर्भमेंविद्यार्थियोंकेसाथरचनात्मकलेखनपरसामूहिकचर्चा।

CO6 कविताओंकीव्याख्याऔरसमीक्षासंबंधीचर्चा।

SYBA PAPER 2 : AHNL401

NAME OF THE PAPER : HINDI POEM PART - B

CO1 हिन्दीसाहित्यकेप्राचीनएवंमध्यकालीनकाव्यकाआकलनकरनेमेंसक्षमबनाना।

CO2 विद्यार्थियोंमेंरिपोर्ताजलेखनवरिपोर्टकौशलमेंप्रवीणतादिलाना।

CO3 मानवीयमूल्योंकीप्रतिष्ठाकाप्रचारवप्रसारकरनेकेसंबंधसेअगवतकराना।

CO4 प्रतिनिधिकविताओंकीसमीक्षाकरनाव्याख्यितकरना।

CO5 हिन्दीकेविभिन्नसाहित्यिकविधाओंकाज्ञानदेना।

CO6 रचनात्मकगतिविधियोंमेंसक्रियाकेसाथकुशलनेतृत्ववसमग्रताप्राप्तकरना।

SYBA PAPER 3 : AHNL302

NAME OF THE PAPER : FUNCTIONAL HINDI PART A

CO1 पारिभाषिकशब्दावलीसेविद्यार्थियोंकोपरिचितकरवानातथाशब्दकोशसमृद्धकरना।

CO2 पत्र-लेखनसंबंधितव्यावहारिकज्ञानसेविद्यार्थियोंकोजानकारीदेना।

CO3 पत्रकारिताकेविभिन्नस्वरूपोंवभेदोंसेविद्यार्थियोंकापरिचयकरवाना।

CO4 विद्यार्थियोंकोहिन्दीकेप्रयोगपरकरूपसेपरिचयकरवाना।

CO5 प्रयोजनमूलकहिन्दीकेविविधरूपतथाप्रयोजनमूलहिन्दीकेव्यवहारक्षेत्रकेसंबंधमेचर्चाकरना।

CO6 अनेकप्रकारकेअनुवादोंतथाउनकेसिद्धांतोंकोप्रस्तुतकरना।

SYBA PAPER 3 : AHNL402

NAME OF THE PAPER :FUNCTIONAL HINDI PART - B

CO1

जनसंचारमाध्यमकेसामान्यपरिचयभेदतथाविधाओंकापरिचयकरवानातथाविद्यार्थियोंमेंसुजनात्मकतावसंवादकरना

CO2 जनसंचारकेविभिन्नरूपोंकापरिचयवसमाचारलेखनतथासमीक्षा।

CO3 जनसंचारमाध्यमोंकाआकलनकरनेमेंप्रवीणतालाना।

CO4 विद्यार्थियोंमेंदृक, श्रव्यऔरदृकश्रव्यमाध्यमोंकेव्यावहारिकज्ञानदेनावजागरूकतालाना।

CO5 जनसंचारकेद्वारामाध्यमोपयोगीलेखनमेंपारंगतहोनातथाप्रवीणताहासिलकरना।

CO6 सरकारीतथागैरसरकारीकार्यालयोंमेंकीगतिविधियोंसेपरिचयकरवानातथाप्रशिक्षणलेना।

TYBA PAPER IV : AHNL502

NAME OF THE PAPER : PAPER HISTORY OF HINDI LITERATURE PART - A

CO1 हिन्दीसाहित्यकेविकासक्रमकोजानना।

CO2 हिन्दीसाहित्यकेआदिकाल, मध्यकालऔरआधुनिककालकीपरिस्थितियोंसेपरिचयकरवाना।

CO3 भक्तिकाल, आदिकालतथारीतिकालकेसंबंधमेंविवेचनकरना।

CO4 परिवेशएवंसाहित्यकेअंतर्संबंधोंकोजानना।

CO5

हिन्दीसाहित्यकीसाहित्यिकपृष्ठभूमिकेविषयमेंचर्चावउनकीसामान्यविशेषताओंकाज्ञानप्राप्तकराना।

CO6 हिन्दीसाहित्यकेइतिहासलेखनकीपरंपराकाज्ञानकराना।

TYBA PAPER IV : AHNL601

**NAME OF THE PAPER : HISTORY OF HINDI LITERATURE
(MODERN) PART - B**

CO1 रचनात्मकलेखनकेद्वाराविभिन्नगतिविधियोंएवंनेतृत्वकुशलता, संचालनकासमग्रआचरण।

CO2 आधुनिकसंवेदनाओंऔरविमर्शोंसेविद्यार्थीपरिचितहोना।

CO3 हिन्दीकविताकेविकास, विशेषताएँएवंयुगबोधकोसमझना।

CO4 समकालीनकविताविमर्शकेसाथहिन्दीनाटक, निबंध,
कहानीतथाउपन्यासकेविकासकाअवलोकन।

CO5 आधुनिकहिन्दीसाहित्यकापरिचयप्राप्तकरना।

TYBA PAPER V : AHNL502

**NAME OF THE PAPER : POST INDEPENDENCE HINDI
LITERATURE PART - A**

CO1 स्वातंत्र्योत्तरकालकेगद्यऔरपद्यसाहित्यसेविद्यार्थियोंकापरिचयकरवाना।

CO2 दलितएवंस्त्रीचेतनाकेस्वरूपसेविद्यार्थियोंकापरिचयकरवाना।

CO3 आधुनिककालकीसंवेदनाकोसमझना।

CO4 नाटक, आत्मकथा,
समीक्षापरपाठवाचनतथास्पष्टीकरणकेद्वाराविद्यार्थियोंकोज्ञानवर्धनकरनावकरवाना।

CO5 बाजारवादएवंआधुनिकतमसंवेदनाओंसेविद्यार्थियोंकापरिचयकरवाना।

CO6 सांप्रदायिकताजैसीसमस्याकागहनतासेपरिचयकरवाना।

TYBA PAPER V : AHNL602

**NAME OF THE PAPER : POST INDEPENDENCE HINDI
LITERATURE PART - B**

CO1 स्वातंत्र्योत्तरसाहित्यपरअनेकविधाओंपरविद्यार्थियोंकेसाथचर्चाकाआयोजन।

CO2 दलितऔरस्त्रीचेतनाकेस्वरूपोंसेपरिचितकरवाना।

CO3 स्वातंत्र्योत्तरसाहित्यमेंसांप्रदायिकताकीसमस्यापरगहनतासेपरिचयकरवाना।

CO4 सारांशलेखनकेसाथहीकवियोंऔरलेखकोंकेअनेकोंरचनाओंकाअध्ययन।

CO5 गद्यलेखोंकीआधुनिकपरिप्रेक्ष्यमेंलेखनविधापरचर्चालेखकोंकासामान्यपरिचय।

TYBA PAPER VI : AHNL503

NAME OF THE PAPER : FUNCTIONAL HINDI PART - A

CO1 हिन्दीपत्रकारिताकेविकासकेस्वरूप, बाजारवाद, भूमंडलीकरणपरविस्तृतचर्चाकाउद्देश्य।

CO2 कार्यालयोंमेंपत्रलेखनकेस्वरूपकाव्यावहारिकज्ञानदेनाविविधरूपोंसेपत्रलेखनकरना।

CO3 अनुवादकेभेदोंकेसाथहीहिन्दीकेप्रयोगात्मकरूपकापरिचयकरवाना।

CO4

अनेकोंप्रकारकेलेखनोंकाविभिन्नस्वरूपोंमेंविधाओंकेद्वाराअनुवादकार्यकरनावसमाचारलेखन।

CO5 पत्रकारिताजगतकाव्यावहारिकपरिचयकरवाना।

CO6 अनुवादकीव्यावसायिककठिनाइयोंसेपरिचयवनिपटानकेगुणसिखाना।

TYBA PAPER VI : AHNL603

NAME OF THE PAPER : FUNCTIONAL HINDI PART - B (SOCIAL MEDIA)

CO1 सोशलमीडियाकेअर्थ, स्वरूपऔरमहत्वकेअनेकस्वरूपोंकाआदानप्रदान।

CO2 सोशलमीडियाकेभेदऔरउनकीउपयोगिताकेस्वरूपकाप्रतिपादन।

CO3 बदलतापरिवेशऔरसोशलमीडियाकेराजनीतिक,
सामाजिकवधार्मिककीउपयोगितापरचर्चासत्र।

CO4 अभिव्यक्तिस्वतंत्रताकेसाथहीकानूनऔरमीडियाकेबदलतेस्वरूपपरचर्चासत्र।

CO5 सोशलमीडियाकेपरंपरागतवआधुनिकमाध्यमसेपरिचयकरवाना।

CO6 वर्तमानपरिप्रेक्ष्यमेंसोशलमीडियाकेबदलतेस्वरूपसेयुवाओंवबच्चोंतथामहिलाओंपरदुष्प्रभाव।

Department of Marathi

PSOs: BA in Marathi

Student will be able to ...

PSO1: Use various registers of Marathi and display enhanced reading, writing, listening and speaking competencies, thereby improving their employability.

PSO2: Be familiar with communication process

PSO3: Explore journalism as a viable career and imbibe editing, reporting and feature writing skills.

PSO4: Consider advertising as a viable career and imbibe copy writing and media planning skills.

PSO5: Develop understanding of literary genres and techniques along with analytical skills.

PSO6: Understand The basics of dramatics, script writing and play reviewing.

PSO7: Develop strategies like close reading, re-reading and subversive reading.

PSO8: Co-relate literary works with human values, pluralism, multiculturalism and socio-cultural processes that shape them.

PSO9: Explore interdisciplinary avenues in literary studies.

Course outcomes:

FYBA Marathi: AMRC101

Name of the Paper: Compulsory Marathi)अनिवार्यमराठी(– Part I

CO1: कथासाहित्यअभ्यासातूनविविधकथावत्यांच्याप्रवाहाचेआकलनहोते.

CO2: ग्राम्यबोलीववेगवेगळ्याशैलीच्याकथांचीओळखहोते .

CO3: नवकथांतूनविद्यार्थ्यांचासामाजिकभावनिकवसांस्कृतिकविकाससाधलाजातो .

CO4 :भाषांतरप्रक्रिया ,शुभेच्छासंदेशलेखन ,मराठीलेखनाचेनियम ,
वृत्तलेखनयालेखनकौशल्याचेआकलनहोते .

CO5:मराठीभाषेतूनकार्यालयीनआणिऔपचारिकव्यवहारकसेकरावेतयाचेज्ञानहोते .

FYBA Marathi: AMRC201

Name of the Paper: Compulsory Marathi)अनिवार्यमराठी(– Part II

CO1:विद्यार्थ्यांनाकवितायासाहित्यप्रकाराचापरिचयहोतो.

CO2: काव्याची शैली , प्रकार , रुपबंधयाविषयी माहिती मिळते .

CO3 : वेगवेगळ्या जाणिवांशी निगडीत कवितेचे प्रवाह वैशिष्ट्ये अभ्यासता येतात .

CO4: इतिवृत्तलेखन , वर्तमानपत्रासाठी जाहिरातलेखन , घोषवाक्यलेखन , सारांशलेखन , निबंधलेखन आदिलेखन तंत्रे आत्मसात करता येतात .

CO5: कार्यालयीन मराठी माध्यमलेखन कौशल्येक शी अवगत करावीत याची पायाभूत तयारी करता येते .

FYBA: Paper 1: AMRL101

Name of the Paper: Ancillary Marathi) ऐच्छिक मराठी(– Part I

CO1: मराठी नाटकांचा तात्विक परिचय होतो व त्यातून रुची निर्माण होते .

CO2: नाटकाची भाषा , संवाद व आकृतिबंध यांचा परिचय होतो .

CO3: मराठी नाटकाची संकल्पनाव प्रकार याचे आकलन होते .

CO4: नाट्य अध्ययनातून मानवी सामाजिक जीवन मूल्यांचे ज्ञान होते .

CO5: नाटकाच्या अध्यायनातून संशोधनास प्रेरणा मिळते .

FYBA: Paper 1: AMRL201

Name of the Paper: Ancillary Marathi) ऐच्छिक मराठी(– Part II

CO1: प्रवासवर्णना साहित्य प्रकाराचा परिचय होतो .

CO2: मराठीतील पर्यायवर्णनाच्या तात्विक अंगाची ओळख होते .

CO3: प्रवासवर्णनातून प्रादेशिक विविधता , सांस्कृतिकता , निसर्ग व पुरातन वास्तुयांचा अभ्यास होतो .

CO4: विद्यार्थ्यांना सांस्कृतिक व प्रादेशिक वैशिष्ट्यांचे आकलन होते .

SYBA: Paper 2: AMRL301

Name of the Paper: कादंबरी : एक साहित्य प्रकार – Part I

CO1: कादंबरी साहित्य प्रकाराच्या तात्विक अंगाचा परिचय होतो .

CO2: कादंबरी साहित्य प्रकाराकडे विशिष्ट शैली दृष्टिकोनातून पाहण्याचे महत्त्व कळते .

CO3: कादंबरी साहित्य प्रकाराचा समाज संस्कृतीशी कसा अनुबंध असतो याचे ज्ञान होते .

CO4: कादंबरी साहित्य प्रकाराकडे तात्विक अंगाने पाहण्याची दृष्टी विकसित होते .

CO5:कादंबरीच्याबदलत्यास्वरूपाविषयीमाहितीअवगतहोते.

SYBA: Paper 2: AMRL401

Name of the Paper:आत्मकथन :एकसाहित्यप्रकार– Part II

CO1:आत्मकथनसाहित्याचेवाचन ,आस्वादसमीक्षायाक्षमताविकसितहोतात .

CO2:मराठीसाहित्याच्याविविधतेतआत्मचरित्रयासाहित्यप्रकराकडेअध्ययनकरण्याचाकलवाढतो .

CO3:अनुभवकथनसाहित्याविषयीजाणनिर्माणहोते .

CO4:साहित्यातीलबदलत्याकथनसाहित्यसंकल्पनांचाबोधहोतो .

SYBA: Paper 3: AMRL302

Name of the Paper:भाषाआणिभाषाभ्यास– Part I

CO1:भाषाआस्वादआणिभाषिककौशल्यविकसितहोते .

CO2:भाषाअभ्यासकौशल्यसंशोधनाकडेकलवाढतो .

CO3:भाषाविकास ,कोशनिर्मिती ,पुरातत्वविद्यायाविषयीअध्ययनवृत्तीवाढते .

CO4:बोलींच्याअभ्यासाचीगरजवमहत्वकळते .

SYBA: Paper 3: AMRL402

Name of the Paper:मराठीच्याबोलींचाअभ्यास –मालवणीबोली– Part II

CO1:बोलींचाअभ्यासभाषासंशोधनासउपयुक्तअसतोयाचीजाणनिर्माणहोते .

CO2:भाषासंस्कृतीअध्ययन ,कोशनिर्मिती ,पारिभाषिकशब्दनिर्मितीइ
गरजपूर्णहोण्यासबोलींचाअभ्यासमहत्वाचाठरतो .

CO3:भाषावबोली ,लोकसंस्कृती ,लोकसाहित्यांचीवैशिष्ट्येजपतायेतात .

CO4:मालवणीबोलीच्यासाहित्याचेआकलनहोते .

TYBA: Paper 4: AMRL501

Name of the Paper:History of medieval Marathi Literature)प्राचीनमराठीवाङ्मयाचाइतिहास (– Part I

CO1:मराठीवाङ्मयाच्याइतिहासाच्याअध्ययनविषयीच्यासंशोधनाकडेकलनिर्माणहोतो .

CO2:साहित्याच्याप्रवाहीस्वरूपाचीवकाळाच्याओघातहोणान्याबदलांचीजाणीवहोते.

CO3:वाङ्मयीनपरंपरांचेवत्यामागीलसामाजिक ,सांस्कृतिकसंदर्भचेभाननिर्माणहोते.

CO4:आधुनिकमराठीवाङ्मयामागेउभीअसलेलीमध्ययुगीनमराठीवाङ्मयाचीसमृद्धपरंपराविद्यार्थ्यांनाकळते .

TYBA: Paper 4: AMRL601

Name of the Paper:History of medieval Marathi Literature

)प्राचीनमराठीवाङ्मयाचाइतिहास (- Part II

CO1:मध्ययुगीनमराठीसाहित्यातीलठळकटप्प्यांचाविद्यार्थ्यांनापरिचयहोतो .

CO2:त्या-

त्याकाळातीलइतरधर्मियांनीनिर्माणकेलेल्याविविधसाहित्याच्यावैशिष्ट्यांचेआकलनहोते .

CO3:मराठीवाङ्मयीनभाषिकपरंपरेतीलसंतवाङ्मयाचेआध्यात्मिकतत्वज्ञान ,पंडिती ,शाहीरी ,बखरवाङ्मयाचीप्रेरणावत्याचीसमजविद्यार्थ्यांमध्येनिर्माणहोते .

TYBA: Paper 5: AMRL502

Name of the Paper:Indian and western Literature

)भारतीयआणिपाश्चात्यसाहित्यशास्त्र (- Part I

CO1:भारतीयसाहित्यशास्त्रसंकल्पनावसिद्धांतआणिसाहित्याचाआस्वादयाचेआकलनहोते .

CO2:साहित्याचेस्वरूप ,निर्मितीयाविषयीशास्त्रीयदृष्टिकोणाचीजाणीवनिर्माणहोते .

CO3:साहित्यशास्त्रीयसंकल्पनांविषयीस्पष्टतायेऊनत्यातीलवाटचालीचापायातयारहोऊनवाङ्मयीन,प्रेरणावप्रयोजनयाचीसमजविद्यार्थ्यांमध्येनिर्माणहोते .

TYBA: Paper 5: AMRL602

Name of the Paper:Indian and western Literature

)भारतीयआणिपाश्चात्यसाहित्यशास्त्र (- Part II

CO1:पाश्चात्यसाहित्यशास्त्रसंकल्पनावसिद्धांतयाचीमाहितीहोते .

CO2:पाश्चात्यसाहित्यविचारवत्याच्यास्वरूपाचेप्राथमिकपातळीवरआकलनहोते .

CO3:साहित्यभाषा

,साहित्याचीनिर्मितीप्रक्रिया

प्रयोजनआणिसमीक्षणात्मकसंज्ञायांचीजाणनिर्माणहोतेवत्याविषयीच्यातात्विकप्रश्नांचेआकलनहोते .

TYBA: Paper 6: AMRL503

Name of the Paper:Literature and Society)साहित्यआणिसमाज(– Part I

CO1:साहित्यआणिसमाजयांचाकसंअनुबंधअसतो

याअनुषंगानेसाहित्यआणिसमाजसंस्कृतीयांचेअन्योन्यसंबंधतात्विकपातळीवरविद्यार्थ्यांनासमजतात .

CO2:समाजशास्त्रीयसमीक्षेचाप्राथमिकपातळीवरअवलंबकरतायेतो .

CO3:साठोत्तरीमराठीसाहित्यामध्येनिर्माणझालेल्यास्त्रीवादीवमहानगरीययावाड-मयप्रवाहांचापरिचयहोऊनसाहित्यआणिसमाजयांच्यातीलनातेविद्यार्थ्यांच्यालक्षातयेते .

CO4:सामाजिकसंवेदनशिलतानिर्माणहोते .

TYBA: Paper 6: AMRL603

Name of the Paper:Literature and Society)साहित्यआणिसमाज(– Part II

CO1:सामाजिकस्थित्यंतरेआणिमराठीसाहित्ययाअनुषंगानेसाहित्यआणिसमाजसंस्कृतीयांचेअन्योन्यसंबंधतात्विकपातळीवरविद्यार्थ्यांनासमजतात .

CO2:साहित्यनिर्मितीहीप्रक्रियाकितीव्यामिश्रआहे ,त्याचेसाहित्यिकाशी

समाजाशीआणिरसिकाशीनातेकसेगुंतागुंतीचेअसतेहेविद्यार्थ्यांनाउलगाडते .

CO3:ग्रामीणआणिदलितयानव्यावाड-मयप्रवाहातनिर्माणहोणाऱ्याकलाकृतींविषयीजाणअध्ययनकर्त्यांमध्येविकसितहोते .

CO4:साहित्यसमाजआणिसंस्कृतीयांच्यातीलपरस्परसंबंधयातूनसाहित्याकडेपाहण्याचाअभ्यासात्मकदृष्टिकोणतयारहोतो .

TYBA: Paper 7: AMRL504

Name of the Paper:Marathi Grammar and

Linguistic)मराठीव्याकरणआणिभाषाविज्ञान (– Part I

CO1:भाषेकडेवैज्ञानिकदृष्टिकोनातूनपाहण्याचेमहत्वकळते .

CO2:भाषेचाभाषालक्षीअभ्यासकरण्याबरोबरभाषाअभ्यासाच्याविविधक्षेत्रांशीतिचाकसासंबंधअसतोयाचापरिचयहोतो .

CO3:भाषेविषयीचावैज्ञानिकदृष्टिकोणविकसितहोतो .

TYBA: Paper 7: AMRL604

Name of the Paper:Marathi Grammar and Linguistic)मराठीव्याकरणआणिभाषाविज्ञान (- Part II

CO1:मराठीव्याकरणाचेनियम ,वर्गीकरण ,शब्दसिद्धी ,प्रयोग ,याविषयीविद्यार्थ्यांनाभाषेकडेव्याकरणिकदृष्टीनेपाहण्याचेमहत्वकळते .

CO2:भाषेचाभाषालक्षीअभ्यासकरण्याबरोबरभाषाअभ्यासाचाव्याकरणाच्याविविधक्षेत्रांशीकसासंबंधअसतोयाचापरिचयहोतो .

CO3:भाषेविषयीचीव्याकरणअध्ययनक्षमताविकसितहोते .

CO4:मराठीव्याकरणाच्याव्यावहारिकसंदर्भातीलमहत्वाविषयीभाननिर्माणहोतेआणिभाषेचाप्रत्यक्षवापरकरतानात्याज्ञानाचेउपयोजनकरतायेते .

TYBA: Paper 8: AMRL505

Name of the Paper:Modern Marathi Literature)आधुनिकमराठीसाहित्य(- Part I

CO1:आधुनिकमराठीसाहित्यपरंपरेचास्थूलपरिचयहोतो .

CO2:आधुनिक

आधुनिकताआणिआधुनिकतावादयासंज्ञाप्रत्यक्षकलाकृतीच्याअभ्यासातूनस्पष्टहोतात .

CO3:बदलत्यासाहित्यातीलनवप्रवाहाविषयीजाणनिर्माणहोते .

TYBA: Paper 8: AMRL605

Name of the Paper:Modern Marathi Literature)आधुनिकमराठीसाहित्य(- Part II

CO1:साहित्याचेवाचन: आस्वाद, समीक्षायांच्याक्षमताविकसितहोतात.

CO2:आधुनिकमराठीसाहित्याविषयीभाननिर्माणहोते .

CO3:आधुनिकमराठीसाहित्यातीलआशयाचेआणिअभिव्यक्तीचेविशेषत्वानेवेगळेअसणेविद्यार्थ्यांच्यालक्षातयेतेआणिविकसनप्रक्रियेविषयीसजकतानिर्माणहोते .

CO4:आधुनिकसाहित्यअध्ययनातूनत्याचीवैशिष्ट्ये, प्रवृत्तीविशेष,वआशयाभिव्यक्तीविकसितहोते .

CO5: साहित्यातीलबदलत्याआधुनिकसंकल्पनायातीलतात्विकतायांचाबोधहोतो .

TYBA: Paper 9: AMRL506

Name of the Paper:Occupational Marathi)व्यावसायाभिमुखमराठी(- Part I

CO1:बदलतेमाध्यमतंत्रलेखनकौशल्यविकसितहोते .

CO2:मुलाखत ,भाषांतर,अनुवादयाविषयीचेलेखनकौशल्यविकसितहोते .

CO3:नभोनाट्य,दूरचित्रवाणीनाट्य,कार्यक्रमनिवेदनवशब्दांकनलेखनकौशल्यतसेचवृत्तपत्रमुद्रितशोधनकसेकरावेयाचेज्ञानमिळते .

CO4:प्रसारमाध्यमांसाठीआवश्यकलेखनकौशल्यसरावतंत्रानेविकसितहोते .

TYBA: Paper 9: AMRL606

Name of the Paper:Occupational Marathi)व्यावसायाभिमुखमराठी(- Part II

CO1:उपयोजितक्षेत्रपरिचयानेअनेकव्यवसायाभिमुखलेखनकौशल्यांचापरिचयहोतो

CO2:माध्यमतंत्रलेखनकौशल्यअर्थस्थैर्यनिर्माणकरण्यासउपयुक्तठरतात .

CO3:ग्रंथपरीक्षण ,नाट्य-चित्रपटआस्वाद ,परीक्षणलेखनकौशल्ययाचाप्राथमिकपातळीवरपरिचयहोतो.

CO4:व्यावहारीकमराठीतूनव्यापकपणेकौशल्यविकसितकेल्यासव्यावसायिकदृष्ट्यासक्षमहोण्यासवाटचालसुरूहोते .

Department of Political Science

PSOs: BA in Political Science

Students will be able to ...

PSO1. Use the knowledge gained through topics like Constitution, Political theory, International Relations, Public Administration, Political thought to take up a career in Civil services and higher education in Political Science.

PSO2. Look into the changing nature of public administration with better insight; apply the basic principles of organization wherever possible.

PSO3. Undertake research as a career option, work with various think tanks and contribute to the development of public policy.

PSO4. Undertake Journalism as a career by working in areas like editing, writing, reporting due to their ability to analyze current affairs, national, international politics.

PSO5. Gain the knowledge of the factors affecting politics of Maharashtra, and relevant contemporary issues and use them in State Civil Service Examinations.

PSO6. Know the political philosophies that have shaped various forms of government: from tyranny, to republican democracy, to welfare states.

PSO7. Get acquainted with all aspects of International relations, co-relate world and understand India's relationship with U.S.A, Russia, China, SAARC, Pakistan, Bangladesh, UN, ASEAN, other emerging organizations.

PSO8. Realize the need for democratic decentralization, understand the issues facing rural economy and work at the grassroots level in policy formation.

PSO9. Explore American Politics and recognize important events that influence the world politics.

PSO10. Analyze the trends and challenges in Indian politics through films and work as film critiques.

PSO11. Understand and commit to the political values: Liberty, Equality, Justice.

Course Outcomes(COs)

FYBA Paper 1: APOL101

Name of the Paper: Political Theory- I –Principles and Concepts of Political Theory.

CO1.Critically discuss the basic questions and issues related with our social, political and economic life such as the role of civil society, right to resist etc.

CO2.Further study the principles and concepts of Political Theory and political values

CO3.Differentiate a state from a nation

CO4. Know the concepts of nationalism, sovereignty, challenges emerging in the form of Globalisation and right of self-determination

CO5.Recognise the issues of contemporary importance such as state and civil society

FYBA Paper 2: APOL201

Name of the Paper: Political Theory- II – Political Values and Ideologies.

CO1.Have solid theoretical understanding of the theories, concepts, principles and values

CO2.Further look into the issues closely associated with study and working of political systems.

CO3.Understand concepts intrinsic to study of Politics.

CO4.Further work on political values of liberty, equality and justice.

CO5.Know the importance and the influence of political ideologies - Marxism, Fascism and Feminism.

SYBA

Paper 2: APOL301

Name of the Paper: Indian Political System – The Constitutional Framework

CO1.Critically look at the broad topics such as Preamble, Fundamental Rights and Duties, Directive Principles of State Policy.

CO2.Get acquainted with the technical details of the topics therein.

CO3.Understand the institutions better through case studies and relevant contemporary issues.

CO4.Comprehend and critically analyze the functioning of the political institutions.

CO5.Understand the role and significance of Parliamentary Committees.

SYBA

Paper 2: APOL401

Name of the Paper:Indian Political System–II – Indian Political Process

CO1.Understand the intricacies of Centre-State relations and changing dynamics therein.

CO2.Conceptually understand the working of Quasi Federalism in India

CO3.Analyse the significant variables shaping the Indian political system objectively.

CO4.Develop theoretical attention for conceptual understanding of Caste, Religion and Gender in Indian political context.

CO5.Recognise the social and political dynamics in India with reference to Caste, Religion and Gender

CO6.Identify the challenges to national security (internal and external)

SYBA

Paper 3: APOL302

Name of the Paper:Public Administration -III – Public Administration

CO1.Look into the changing nature of public administration with better insight

CO2. Gain interest in understanding the applicable, contemporary and relatable theories covered in this course.

CO3.Apply the basic principles of organization wherever possible.

CO4. Acquire knowledge about the various theories of administration and their applications in work life.

CO5.Become a responsible and participative citizen in governmental activities especially E-Governance

SYBA

Paper 3: APOL402

Name of the Paper:Public Administration -III – Indian Administration

CO1.Look into the nature of Indian administration with better insight.

CO2. Gain interest in understanding the historical context of Indian administration.

CO3.Become familiar with bureaucracy and can also take up a career in civil services.

CO4. Acquire knowledge about the various Anti-corruption laws in India and their applications.

CO5.Become a responsible and participative citizen in governmental activities

TYBA

Paper- 4: APOL501

Name of the Paper: Political Process in Modern Maharashtra-Politics of Modern Maharashtra

CO1.Know how the idea of Maharashtra (mainly as cultural aspect) has been evolve.

CO2.Understand the political process before formation of state of Maharashtra.

CO3.Analyze the regional and sub-regional forces in Maharashtra.

CO4.Understand the functioning of the government.

CO5.Grasp the dynamics of caste system.

CO6.Get acquainted with the relationship between Caste and Politics in Maharashtra

TYBA

Paper- 4: APOL601

Name of the Paper: Political Process in Modern Maharashtra-Politics of Modern Maharashtra

CO1.Gain the knowledge of State politics and the factors affecting politics of Maharashtra.

CO2. Get acquainted with the institutional as well as the actual functioning of these institutions and social- economic aspects of Maharashtra Politics

CO3.Understand the institutions better through case studies and relevant contemporary issues.

CO4.Prepare for MPSC examinations, other competitive examinations and also other career options.

CO5.Enhance their oratory skills through discussion method.

TYBA

Paper- 5: APOL502

Name of the Paper: Political Thought- Western Political Thought

CO1.Understand the history of Western Political thought.

CO2.Study the tradition in political theory from Niccolo Machiavelli to Lenin

CO3.Understand how the Western Political Thinkers explained and analyzed the different ideas, political events and problems of their time and prescribed solutions.

CO4.Comprehend the ideas and principles (Modern State, Liberty, Justice, Revolution, Hegemony,) that affects the world.

CO5.Compare the ideas of different Western Political philosophers and theorists.

CO6.Understand the legacy of the thinkers that is explained with a view to establish the continuity and change within the Western political tradition

TYBA

Paper- 5: APOL602

Name of the Paper: Political Thought- Indian Political Thought

CO1.Understand the Political Philosophy and Ideas expounded by the Indian Political Thinkers in their historical settings.

CO2.Know the ideas and principles like State,Nationalism, Rational and Radical Reforms, Socialism.

CO3.Evaluate the political events and institutions in the Pre and Post-Independence period.

CO4.Know the historical, social and cultural context of the Indian Political Thought and relate it to contemporary political society.

CO5.Further read and build upon the ideas expounded by the Indian Political Thinkers.

TYBA

Paper- 6: APOL503

Name of the Paper: International Relations – World Politics

CO1.Get acquainted with all aspects of how International Relations emerged as a discipline

CO2. Co-relate world events with the approaches to International Relations.

CO3. Analyse the recent and contemporary developments in the world order (Types of Polarity)

CO4. Familiarize with the developments (past and present) in the global political scenario

5. Able to understand the new decisions & policies therein.

6. Know how power, conflicts, peace and security work out in the changing international conditions over the years.

7. Get an overview of International Political Economy.

TYBA

Paper- 6: APOL603

Name of the Paper: International Relations – India in World Politics

1. Understand the concept of Foreign policy and Diplomacy.

2. Recognize the determinants of India's Foreign Policy.

3. Understand the basics of the making of India's Foreign policy.

4. Understand India's relationship with U.S.A, Russia, China, SAARC, Pakistan, Bangladesh, UN, ASEAN and BRICS.
5. Know the significance of India's role in World Politics.

TYBA

Paper- 7: APOL504

Name of the Paper: Local Self Government with special reference to Maharashtra-Rural Local Self Government

CO1. Realize the concept democratic decentralization and know the provisions of Indian constitution.

CO2. Understand the recommendations of Vasant Rao Naik Committee and the necessary legal measures adopted for democratic decentralization.

CO3. Comprehend the three-tier structure in rural Maharashtra and the local authorities.

CO4. Know certain basic schemes on water conservation, education and cleanliness.

CO5. Realize the status and position of rural women and changes brought in by 73rd Amendment.

TYBA

Paper- 7: APOL604

Name of the Paper: Local Self Government with special reference to Maharashtra- Urban Local Self Government

CO1. Apprehend the concept democratic decentralization and know the provisions of Indian constitution regarding organization of urban local government.

CO2. Understand the provisions of 74th amendment.

CO3. Comprehend the structure of urban local governments in Maharashtra and the local administrative authorities.

CO4. Know the certain basic schemes such as housing, Slum development and rehabilitation water and sanitation.

CO5. Identify the issues of Migration, Transportation and Environment.

TYBA

Paper- 8: APOL505

Name of the Paper: American Political System-American Constitution and Institutions

CO1.Understand how US constitution started working.

CO2.Distinguish between how the different branches of the US government work.

CO3.Get insight of the working of the American government.

CO4.Know the evolution of US Federalism and its changing trends.

CO5.Acknowledge the role of US President and Vice-President.

TYBA

Paper- 8: APOL605

Name of the Paper: American Political System-Political Process in the United States

CO1.Know the landmark decisions in 4 cases and their impact

CO2.Get insight of the American Political Process.

CO3.Highlight the functioning of political parties, pressure groups and election and voting patterns

CO4.Understand the Presidential Election Process and the influence of the media on Elections

CO5.Distinguish between the role of US President and Vice-President.

CO6.Know the significance of the Civil Rights Movement in US.

TYBA

Paper- 9: APOL506

Name of the Paper: Understanding Politics through Films- Politics and Films

CO1.Comprehend unconventional and innovative methodologies of learning politics.

CO2.Perceive, appreciate and analyze the concepts in politics through films.

CO3.Become conversant with the evolution of films and documentaries in India and how their themes and focal points have changed over the eras

CO4.Understand the trends and challenges in Indian politics through films.

CO5. Know the specific historical- political-social- economic themes, some of them with global dimension.

CO6. Capture the mood of India during and after 1947 and get a powerful visual impact in learning issues surrounding Partition, the horrors inflicted on women and the resultant massive displacement.

CO7. Know the evolution of Hindi cinema and regional cinema.

TYBA

Paper- 9: APOL606

Name of the Paper: Understanding Politics through Films- Learning Indian Politics through Films

CO1.Comprehend unconventional and innovative methodologies of learning politics.

CO2.Perceive, appreciate and analyze the concepts in politics through films.

CO3.Know various people's movements such as Narmada Bachao, Right to information.

CO4.Understand the trends and challenges in Indian politics through films.

CO5.Analyse political concepts and events, public policy, political behaviour and visions of politics and society as presented in films.

Department of PSYCHOLOGY

PSOs:BA in Psychology

Students will be able to ...

PSO1: Understand basic concepts and modern trends in the various fields of Psychology

PSO2: Develop a compassionate approach and empathize with people having minor or major psychological issues.

PSO3: Apply the knowledge of psychological principles to address various psychosocial issues in various settings.

PSO4: Undertake research in the various fields of Psychology.

PSO5: Understand and commit to the ethical guidelines prescribed by professional regulatory bodies.

PSO6: Pursue higher education in the field of psychology.

Course Outcomes:

FYBA Paper 1: APSY101

Name of the Paper: Fundamentals of Psychology - Part I

CO1: Understand the basic concepts and modern trends in Psychology.

CO2: Apply psychological concepts to understand various phenomena in day-to-daylife.

CO3: Compare and contrast various designs for psychological research.

CO4: Comprehend basic statistical techniques used in research and demonstrate theirapplicability.

CO5: Critically analyse different theoretical perspectives in Psychology.

FYBA Paper 1: APSY201

Name of the Paper: Fundamentals of Psychology - Part II

CO1: Understand the basic concepts and modern trends in Psychology.

CO2: Apply psychological concepts to understand various phenomena in day-to-day life.

CO3: Develop a research proposal applying various research designs and apply descriptive statistics to the research proposal.

CO4: Identify psychological tests measuring various psychological concepts.

CO5: Critically analyse different theoretical perspectives in Psychology

CO6: Feel interested and motivated to pursue further study in the field of Psychology.

SYBA

Paper 2: APSY301

Name of the Paper: Social Psychology Part I

CO1: Understand the basic concepts and modern trends in Social Psychology.

CO2: Comprehend and critically analyse the basic foundational theories of Social Psychology.

CO3: Apply various concepts of Social Psychology in day to day life.

CO4: Design and conduct awareness campaigns, workshops on socially relevant issues.

CO5: Compare and contrast various designs for research in Social Psychology.

CO6: Carry out basic research in Social Psychology.

CO7: Feel interested and motivated to pursue further study in the field of Social Psychology.

SYBA

Paper 2: APSY401

Name of the Paper: Social Psychology Part II

CO1: Understand the basic concepts and modern trends in Social Psychology.

CO2: Comprehend and critically analyse the basic foundational theories of Social Psychology.

CO3: Apply various concepts of Social Psychology in day to day life.

CO4: Design and conduct awareness campaigns, workshops on socially relevant issues.

CO5: Compare and contrast various designs for research in Social Psychology.

CO6: Carry out basic research in Social Psychology.

CO7: Feel interested and motivated to pursue further study in the field of Social Psychology.

SYBA

Paper 3: APSY302

Name of the Paper:Developmental Psychology: A Focus on Adolescent and Adult Development –Part I

CO1: Understand the basic concepts and modern trends in Developmental Psychology with reference to Adolescence and Early Adulthood.

CO2: Comprehend and critically analyse the foundational theories in Developmental Psychology with reference to Adolescence and Early Adulthood.

CO3: Apply the concepts of Developmental Psychology with reference to Adolescence and Early Adulthood in different areas of day-to-day life.

CO4: Design and conduct awareness campaigns, workshops on developmental issues.

CO5: Compare and contrast various designs for research in Developmental Psychology.

CO6: Carry out basic research in Developmental Psychology.

CO7: Feel interested and motivated to pursue further study in the field of Developmental Psychology.

SYBA

Paper 3: APSY402

Name of the Paper:Developmental Psychology: A Focus on Adolescent and Adult Development –Part II

CO1: Understand the basic concepts and modern trends in Developmental Psychology with reference to Middle Adulthood and Late Adulthood.

CO2: Comprehend and critically analyse the foundational theories in Developmental Psychology with reference to Middle Adulthood and Late Adulthood.

CO3: Apply the concepts of Developmental Psychology with reference to Middle Adulthood and Late Adulthood in different areas of day-to-day life.

CO4: Design and conduct awareness campaigns, workshops on developmental issues.

CO5: Compare and contrast various designs for research in Developmental Psychology.

CO6: Carry out basic research in Developmental Psychology.

CO7: Feel interested and motivated to pursue further study in the field of Developmental Psychology.

SYBA

Applied Component: AHP301

Name of the Paper: Health Psychology: Part I

CO1: Understand the basic concepts and modern trends in Health Psychology.

CO2: Comprehend and critically analyse the foundational theories in Health Psychology.

CO3: Apply their understanding of concepts of health psychology in various areas of day-today life.

CO4: Design and conduct awareness campaigns, workshops on health issues.

CO5: Compare and contrast various designs for research in Developmental Psychology.

CO6: Carry out basic research in Health Psychology.

CO7: Feel interested and motivated to pursue further studies in Health Psychology.

SYBA

Applied Component: AHP401

Name of the Paper: Health Psychology: Part II

CO1: Understand the basic concepts and modern trends in Health Psychology.

CO2: Comprehend and critically analyse the foundational theories in Health Psychology.

CO3: Apply their understanding of concepts of health psychology in various areas of day-today life.

CO4: Design and conduct awareness campaigns, workshops on health issues.

CO5: Compare and contrast various designs for research in Developmental Psychology.

C06: Carry out basic research in Health Psychology.

C07: Feel interested and motivated to pursue further studies in Health Psychology.

TYBA

Paper 4: Apsy501

Name of the Paper: Psychological Testing and Statistics: Part I

CO1: Demonstrate understanding of the fundamental concepts of Psychological Testing and Assessment.

CO2: Apply their understanding regarding reliability and validity to psychological concerns requiring testing and assessment.

CO3: Identify ethical considerations of psychological testing and assessment.

CO4: Apply descriptive statistics to psychometric data and interpret the same.

CO5: Feel interested and motivated to pursue further study in the field of Psychological Testing, Assessment, Statistics and research.

TYBA

Paper 4: Apsy601

Name of the Paper: Psychological Testing and Statistics: Part II

CO1 Demonstrate the construction of a psychological test.

CO2: Critically evaluate various measurement of intelligence

CO3: Critically evaluate various measurement of personality

CO4: Apply descriptive statistics to psychometric data and interpret the same.

CO5: Feel interested and motivated to pursue further study in the field of Psychological

Testing, Assessment, Statistics and research.

TYBA

Paper 5: Apsy502

Name of the Paper: Abnormal Psychology: Part I

CO1: Demonstrate understanding of the fundamental concepts

CO2: Comprehend and Critically analyse various theories of abnormality

CO3: Comprehend different psychological disorders – their symptoms, causes and treatment

CO4: Apply the understanding regarding the process of assessment and diagnosis to the

psychological issues

CO5: Design and conduct awareness campaigns, workshops on mental health disorders.

CO6: Feel interested and motivated to pursue further study and develop a professional career

in the field of clinical psychology.

TYBA

Paper 5: APSY602

Name of the Paper: Abnormal Psychology: Part II

CO1: Demonstrate understanding of the fundamental concepts

CO2: Comprehend and Critically analyse various theories of abnormality

CO3: Comprehend different psychological disorders – their symptoms, causes and treatment

CO4: Apply the understanding regarding the process of assessment and diagnosis to the psychological issues

CO5: Design and conduct awareness campaigns, workshops on mental health disorders.

CO6: Feel interested and motivated to pursue further study and develop a professional career in the field of clinical psychology.

TYBA

Paper 6: APSY503

Name of the Paper: Industrial-Organizational Psychology Part I

CO1: Understand the basic concepts and modern trends in Industrial Psychology.

CO2: Comprehend and Critically analyse various theories and approaches in Industrial and Organizational Psychology.

CO3: Apply their understanding of performance appraisal, selection, placement and training in the work setting.

CO4: Carry out research in Industrial and Organizational Psychology.

CO5: Feel interested and motivated to pursue further study and develop a professional career in the field of Industrial and Organizational Psychology.

TYBA

Paper 6: APSY603

Name of the Paper: Industrial-Organizational Psychology Part II

CO1: Understand the basic concepts and modern trends in Industrial Psychology.

CO2: Comprehend and Critically analyse various theories and approaches in Industrial and Organizational Psychology

CO3: Apply their understanding of the structure and functions of the organization.

CO4: Design and conduct awareness campaigns and workshops on psychosocial issues in the work setting

CO5: Feel interested and motivated to pursue further study and develop a professional career in the field of Industrial and Organizational Psychology

TYBA

Paper 7: APSY504

Name of the Paper: Cognitive Psychology: Part I

CO1: Demonstrate understanding of the fundamental concepts of Cognitive Psychology.

CO2: Comprehend and Critically analyse various theories of the field of Cognitive Psychology.

CO3: Critically evaluate the significance of experimental method as a research method in Cognitive Psychology.

CO4: Apply different concepts of Cognitive Psychology in everyday life

CO5: Feel interested and motivated to pursue further study in the field of Cognitive Psychology.

TYBA

Paper 7: APSY604

Name of the Paper: Cognitive Psychology: Part II

CO1: Demonstrate understanding of the fundamental concepts of Cognitive Psychology.

CO2: Comprehend and Critically analyse various theories of the field of Cognitive Psychology.

CO3: Critically evaluate the significance of experimental method as a research method in Cognitive Psychology.

CO4: Apply different concepts of Cognitive Psychology in everyday life

CO5: Feel interested and motivated to pursue further study in the field of Cognitive Psychology

TYBA

Paper 8: APSY505

Name of the Paper: Practicals in Cognitive Processes and Psychological Testing: Part I

CO1: Demonstrate understanding of the fundamental concepts in quantitative research methods in general and experimental methods in particular.

CO2: Conduct computer-based experiments.

CO3: Apply statistical techniques for data analysis.

CO4: Write a report on an experiment conducted using APA style.

CO5: Design the experiment and present the proposal.

CO6: Demonstrate understanding of basic principles of qualitative research.

TYBA

Paper 8: APSY605

Name of the Paper: Practicals in Cognitive Processes and Psychological Testing:

Part II

CO1: Conduct experiment on participants.

CO2: Apply statistical techniques for data analysis

CO3: Design, execute and write report on qualitative research conducted

CO4: Administer, score and interpret psychological tests in a standardized manner and establish psychometric properties of a test

TYBA

Paper 9: APSY506

Name of the Paper: Counselling Psychology: Part I

CO1: Demonstrate understanding of the nature and process of counseling and its various dimensions.

CO2: Address ethical dilemmas commonly encountered in counselling.

CO3: Comprehend various basic and advanced skills of counselling.

CO4: Identify counselling needs of diverse population and population from multiple cultures.

TYBA

Paper 9: APSY606

Name of the Paper: Counselling Psychology: Part II

CO1: Discern and evaluate the strengths and limitations of various counseling approaches and techniques available

CO2: Apply counseling processes to address special issues in various settings

CO3: Demonstrate the principles of use of groups in counseling

CO4: Feel interested and motivated to pursue further study in the field of Counseling Psychology.

TYBCom

CPHW501

Name of the Paper: Psychology of Human Behavior at Work Part- I

CO1: Understand the basic concepts and modern trends in Industrial Psychology.

CO2: Comprehend and Critically analyse various theories and approaches in Psychology of human behaviour at work.

CO3: Apply their understanding of the structure and functions of the organization.

CO4: Apply understanding of human behaviour at work to work settings.

CO5: Feel interested and motivated to pursue further study and develop a professional career in the field of Psychology of human behaviour at work

TYBCom

CPHW601

Name of the Paper: Psychology of Human Behavior at Work Part- II

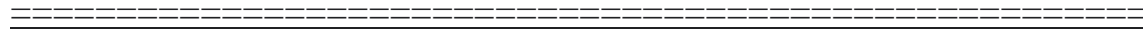
CO1: Understand the basic concepts and modern trends in Industrial Psychology.

CO2: Comprehend and Critically analyse various theories and approaches in Psychology of human behaviour at work.

CO3: Apply their understanding of the structure and functions of the organization.

CO4: Apply understanding of human behaviour at work to work settings.

CO5: Feel interested and motivated to pursue further study and develop a professional career in the field of Psychology of human behaviour at work



Department of Sociology

PSOs:

BA in Sociology

PSO1 Understand the society, its nature and structure in a scientific manner.

PSO2 Identify and discuss emergent social issues and problems in their historical, economic, political, geographical and cultural contexts.

PSO3 Apply various sociological concepts and theories to these issues and evaluate their causative factors, effects and suggest possible solutions.

PSO4 Develop sensitivity towards cultural diversity, gender identities and marginalised sections of the society.

PSO5 Examine alternative approaches to development and their applicability.

PSO6 Pursue higher education in the field of Sociology.

Course Outcomes:

FYBA

Semester I Paper I: ASOC101: Foundations of Sociology

CO1 Define Sociological concepts.

CO2 Describe nature and functions of social institutions.

CO3 Interpret society with the help of theoretical perspectives.

CO4 Differentiate between stages of socialization.

CO5 Weigh the relevance of Sociology today.

CO6 Evaluate the relationship of Sociology with other social sciences.

Semester 2 Paper I: ASOC201: Fundamentals of Sociology

CO1 Define social interaction.

CO2 Recognize types of social stratification.

CO3 Discuss perspectives on crime.

CO4 Differentiate between types of crime.

CO5 Critically analyze collective behavior.

CO6 Investigate the future of social interaction.

SYBA

Semester III Paper II: ASOC301: Indian society: Structure and Change

- CO1 State the relationship between food culture and cultural identities
- CO2 Identify regional diversity and communities in Maharashtra.
- CO3 Interpret caste and class mobilization.
- CO4 Compare between various classical Indian Sociological perspectives.
- CO5 Evaluate the ideas of contemporary Indian sociologists.
- CO6 Critically examine gender marginalization.

Semester III Paper III: ASOC302: Contemporary Issues in Indian Society

- CO1 List and define various demographic factors.
- CO2 Describe causes of declining sex ratio.
- CO3 Examine the right to health with reference to women and children
- CO4 Interpret politics of reproduction.
- CO5 Critically analyze criminal justice system in India.
- CO6 Judge the need for reforms in the criminal justice system in India.

Semester IV Paper II: ASOC401: Sociology of Development

- CO1 Define development and modernization.
- CO2 Identify the indicators of development.
- CO3 Apply theories of modernization to understand development.
- CO4 Examine the case studies on development as a crisis.
- CO5 Defend alternative approaches to development.
- CO6 Investigate development issues with the help of research.

Semester IV Paper III: ASOC402: Emerging Fields in Sociology

- CO1 List subfields in Sociology.
- CO2 Describe attributes of an entrepreneur.
- CO3 Sketch the role of women entrepreneurs.
- CO4 Examine urban governance.

CO5 Judge the status of elderly care in India.

CO6 Develop a creative business model for women.

TYBA

Semester V Paper IV: ASOC501: Theoretical Sociology

CO1 State various theoretical perspectives in Sociology

CO2 Discuss contribution of classical and contemporary Sociological thinkers.

CO3 Interpret society with the help of these theories.

CO4 Compare the methodologies of different thinkers.

CO5 Critically evaluate Sociological perspectives and methodologies.

CO6 Investigate the scope of classical theories to understand contemporary society.

Paper V: ASOC502: Sociology of Work

CO1 Define basic concepts in Sociology of work.

CO2 Explain changing division of labour.

CO3 Demonstrate its impact on society.

CO4 Examine the changing trends in industry.

CO5 Critically evaluate these trends.

CO6 Investigate future of work in the 'network society'.

Paper VI: ASOC503: Sociology of Gender

CO1 Define basic concepts in gender studies.

CO2 Discuss intersectionality.

CO3 Interpret feminist perspectives.

CO4 Compare between classical, contemporary and postmodern feminism.

CO5 Critically analyze new trends in the study of gender.

CO6 Investigate the scope of women's movements.

Paper VII: ASOC504: Sociology of Human Resource Development

- CO1 State the meaning and functions of human resource development.
- CO2 Identify the role of HR Manager.
- CO3 Interpret recruitment, selection and performance appraisal.
- CO4 Examine current challenges in HRD
- CO5 Investigate various strategies to deal with these challenges.
- CO6 Weigh the role of socio-cultural factors in the development of human resources.

Paper VIII: ASOC505: Urban Sociology

- CO1 Define basic concepts in Urban Sociology.
- CO2 Describe traditional theories of urban growth.
- CO3 Explain contemporary theories of urban growth.
- CO4 Compare the process of urbanization in India in the colonial and post-independence period
- CO5 Critically evaluate the recent trends in urbanization in India.
- CO6 Investigate solutions for the problems of urbanization.

Paper IX: ASOC506: Quantitative Social Research

- CO1 State nature and significance of quantitative social research.
- CO2 Discuss theoretical base of quantitative research in Sociology.
- CO3 Interpret the process of quantitative research.
- CO4 Examine research method, data collection method and sampling method in quantitative research.
- CO5 Use statistics to analyze quantitative data.
- CO6 Design research to investigate social issues.

Semester VI Paper IV: ASOC601: Anthropological Thought

- CO1 State nature of Anthropology as a discipline.

- CO2 Discuss field method of Anthropology.
- CO3 Explain early Anthropological thought.
- CO4 Sketch later developments in the discipline.
- CO5 Differentiate between the sub-disciplines within Anthropology.
- CO6 Evaluate the contribution of contemporary Indian thinkers.

Paper V: ASOC602: Sociology of Informal Sector

- CO1 State the meaning and characteristics of the formal and informal sector.
- CO2 Discuss conditions of work and worker's problems in the informal sector.
- CO3 Examine the safeguards for informal sector workers.
- CO4 Interpret informalization of work
- CO5 Weigh the impact of globalization on informal work.
- CO6 Critically evaluate labour reforms.

Paper VI: ASOC603: Gender and Society in India: Contemporary Debates and Emerging Issues

- CO1 Identify sites of violence against women.
- CO2 State types of violence against women.
- CO3 Sketch the role of legislative measures in protection of women from violence.
- CO4 Examine the status of marginalized genders.
- CO5 Weigh the role of protest and resistance movements.
- CO6 Critically assess feminist campaigns in digital spaces.

Paper VII: ASOC604: Sociology of Organisations

- CO1 Define and state the characteristics of formal and informal organisations.
- CO2 Describe organizational planning and development.
- CO3 Interpret organizational culture
- CO4 Examine the role of training, creativity and innovation in organizational development.

CO5 Evaluate socialization process and leadership in organization.

CO6 Judge conflict resolution process in organization.

Paper VIII: ASOC605: Urbanization in India: Issues and Concerns

CO1 State the role of city in achieving development goals of the neo liberal era.

CO2 Discuss new trends in urbanization.

CO3 Sketch the role of IT Parks in the Indian urban landscape.

CO4 Examine case studies on urban growth and the views of Indian theorists in this context.

CO5 Critically evaluate issues of urbanization.

CO6 Investigate solutions for solving city problems.

Paper IX: ASOC606: Qualitative Social Research

CO1 State nature and significance of qualitative social research.

CO2 Explain major steps of qualitative research in Sociology.

CO3 Interpret the process of qualitative research.

CO4 Examine the reliability and validity in qualitative research.

CO5 Critically evaluate qualitative approaches to enquiry- ethnography, case study and feminist approach.

CO6 Describe data collection and analysis methods in qualitative research.

PSOs:

B.com

PSO1 To define the accounting concepts and tax related concepts

PSO2 To classify different types of accounting aspect

PSO3 To implement various rules, methods & Formulae in order to record, analyse, interpret and calculate the accounting data

Course Outcomes:**FYBCOM****Paper 1: -CACC101****Accountancy & Financial Management SEM I**

CO1 To Understand the features of accounting standards.

CO2 Applying the proper accounting principles while preparing the final accounts

CO3 Do the valuation of stock applying proper methods of valuation.

CO4 Understanding the classification of capital and revenue expenses or incomes

CO5 To Evaluate gross and net Profit or loss department wise

CO6 Interpret the ledger accounts.

Paper 1: CACC201: Accountancy & Financial Management SEM II

CO1 Generating final accounts from incomplete records.

CO2 Evaluating the actual profit or loss of consignor.

CO3 Evaluating profit or loss of dependant branch.

CO4 Preparing Final accounts of Partnership firm after considering all adjustments regarding admission, retirement and death of partners.

SYBCOM**Paper 2:**

Accountancy and Financial Management – III : Semester III

CO1 To understand the concept of fire insurance with an intention to determine the actual amount of insurance claim

CO2 To study the manner in which distribution of cash be made in the event of dissolution of firm.

CO3 To Compute purchase consideration and prepare necessary accounts for amalgamation of partnership firm

CO4 To learn the accounting treatment and procedures for conversion of firm into a Company.

CO5 To Prepare vertical balance sheet as per revised schedule III of Companies act 2013.

Paper 3:

Introduction to Management Accounting (SEM III)

CO1: To understand and analyze the nature, scope and functions of Management Accounting and acquire the ability to apply such knowledge in decision making.

CO2: To understand and get acquainted with the various financial ratios and its types. To interpret the use of ratios to analyse the financial statements

CO3: To understand the ratios from the perspective of different stakeholders to evaluate profitability and financial position of the entity

CO4: To understand the nuances of Working capital and the factors which determine the working capital and learning the methods of estimating working capital.

CO5: To understand the importance of capital budgeting for a business entity and calculate cash flows in capital budgeting decisions and help students understand the basic principles for measuring the same

CO6: To analyze various investment valuation techniques like Payback, Net Present Value, Profitability Index, Internal Rate of Return and to be able to apply the formulae for decision making

Paper 2:

Accountancy and Financial Management – IV: Semester IV

CO1 Understand the basic terms and concepts related to the Company which focus on issue of Shares and debentures

CO2 To learn the accounting procedures (journal entries) for redemption of Preference Shares

CO4 To Understand the procedure and pass the journal entries for Redemption of debentures

CO5 Calculation of pre and post incorporation profit by classifying expenses and income on the basis various ratios

Paper 3:

Auditing (SEM IV)

CO1 : To Understand the concepts in auditing and of the generally accepted auditing procedures, techniques and skill.

CO2 : To understand the functional classification and qualities of an auditor

CO3: To understand the definition of Audit and its types and understand objectives and principles governing Audit.

CO4 : To comprehend the nuance of audit planning and strategy for an audit and gain the knowledge of control of quality of audit work

CO5 : To acquaint students with concepts of audit documentation and gain knowledge of audit working papers

CO6: To help students understand the Audit Risks, Risk assessment procedures and the concept of Internal Control and Audit .To understand and apply the techniques of vouching and verification

TYBCOM

Paper 4:

Financial Accounting & Auditing VII: Financial Accounting

CO1 To understand the final accounts of companies with various schedules.

CO2 To analyse different journal entries about internal reconstruction.

CO3 To apply various legal provisions regarding buyback of shares and to understand the journal entries.

CO4 To analyse various investment transactions with cum-interest and ex-interest adjustments

CO5 To understand the features and principles of AS-4, AS-5 and AS-10.

Paper 8:

Financial accounting & Auditing VIII- Costing SEM V

CO1 To understand the basic concepts and definition of the term cost, identifying the different costing methods.

CO2. To evaluate the different tools of inventory control like stock levels, EOQ, ABC etc.

CO3. To apply the different wage plans and to calculate the remuneration payable the employee.

CO4. To analyze the allocation of overheads into primary and secondary distribution.

CO5. To evaluate the different types of cost and preparation of cost sheet.

CO6. To evaluate the technique of reconciliation of cost and financial data.

Paper 9 :

Direct & Indirect Tax (Direct Tax Sem V)

CO1 To give awareness about the scope of Total Income as per the provisions of Income Tax Act 1961.

CO2 To equip the students with the computation of taxable income under the head Salaries, Income from House Property and Profits and Gains of Business or Profession

Paper 10:

Financial Accounting & Auditing IX: Financial Accounting (SEM VI)

CO1 To understand calculation of purchase consideration and to understand journal entries of amalgamation, absorption and external reconstruction.

CO2 To analyse foreign currency transactions and exchange difference.

CO3 To understand preparation of Final Statement of Account of the Liquidator.

CO4 To understand preparation of final accounts of LLP of small size and steps for formation of LLP.

CO5 To apply the principles of AS-3 and to analyse cash flow statement.

Paper 11:

Financial accounting & Auditing X - Costing SEM VI

CO1 To understand the basic concept of non integrated cost control.

CO.2. To apply contract costing method and calculate notional profit, transfer to reserve, transfer to profit & loss account, format of contract account after taking into account work certified and work uncertified.

CO.3. To understand the preparation of process accounts including multiple processes and calculation of process stock and profits.

CO.4. To analyze and interpretation of marginal cost.

CO.5. To analyze and interpretations variances.

CO.6. To understand the basic concept and importance of cost audit.

Paper 12:

Direct & Indirect Tax (GST Sem VI)

CO1 To provide a conceptual understanding on indirect taxes.

CO2 To provide a basic knowledge of the principles related to GST in India.

DEPARTMENT OF BUSINESS ECONOMICS

PROGRAMME OUTCOMES

PROGRAMME SPECIFIC OUTCOMES

F.Y.B.Com: BUSINESS ECONOMICS I & II

1. The learning outcome of the syllabus for the Business Economics is to make students learn micro- economics and its application to business.
2. A sound knowledge of Business Economics and its application through the study of case studies will help the students to understand the decision making process of business.

S.Y.B.Com: BUSINESS ECONOMICS IV & V

1. The syllabus of S.Y.B.Com concentrates on thorough grounding in Macro Economics as it is essential for the students of commerce and business courses to understand how an economy as the whole works.
2. Macroeconomics, along with an understanding of micro economics forms a composite business economics. The current syllabus provides an introduction to some of the basic analytical tools of macroeconomics that will help the students to understand how an economy works and to analyze economic phenomenon.

T.Y.B.Com: BUSINESS ECONOMICS V & VI

1. The objective is to give the students awareness about the overall status of the Indian Economy starting from the adoption of the New Economic Policy to the implementation of the recent economic policy and Schemes which such as make in India, skill India etc.
2. It also stresses on providing the understanding of all the sectors primary, secondary and the tertiary sector current status of these sectors in India. With the knowledge of all the sectors and schemes providing the in depth understanding of the financial sectors is the supplementary objective.
3. To provide understanding about international trade theories and various trade related aspects.

COURSE OUTCOMES:

FYBCOM - SEMESTER I

BUSINESS ECONOMICS PAPER – I

TITLE OF THE PAPER – INTRODUCTION OF MICRO ECONOMICS

1. To provide understanding and application of Principles of Economics and basic Microeconomic concepts from CONSUMER’S PERSPECTIVE.
2. To familiarise students with the demand and supply analysis in business including application of indifference curve to enrich the students’ understanding about consumer behaviour.
3. To help the students understand the production and cost structure under various stages of production in short run and in long run from the PRODUCER’S point of View.
4. To familiarise students with the different cost concepts and Break-Even Analysis as an important tool for making production decision.

FYBCOM SEMESTER II-

BUSINESS ECONOMICS PAPER-II

TITLE OF THE PAPER – MICRO ECONOMICS- MARKET STRUCTURE & PRICING PRACTICES

1. To impart entail understanding about extreme cases of market, Perfect Competition and Monopoly in Short Run and in Long Run.
2. To make students understand the pricing and output decisions pertaining to monopolistic and oligopoly Market (Imperfect Competition).
3. To familiarise with various pricing practices used and implemented by firm under different market structure depending upon market type.
4. To teach students the importance and applicability of different methods of Capital Budgeting.

SYBCOM - SEMESTER III

BUSINESS ECONOMICS PAPER – III

TITTLE OF THE PAPER – INTRODUCTION OF MACRO ECONOMICS

1. To yield knowledge of Macro Economics such as National Income Accounting including Green GDP.
2. To provide entail understanding of Keynesian School of Thought i.e. Demand Side Economics and application of various concepts as Effective Demand, Multiplier etc.
3. To impart knowledge about Post Keynesian Development in Macro Economics which includes IS-LM Model, Phillips curve and stagflation and policy can be implemented to deal with these economic problems.
4. To give students understanding about Money Supply, Money demand Theories and Inflation.

SYBCOM SEMESTER IV

BUSINESS ECONOMICS PAPER- IV

TITTLE OF THE PAPER – INTRODUCTION OF PUBLIC FINANCE

1. To help students understand the role of government in maintaining Economic stability.
2. To impart knowledge about sources of Public Revenue and various concepts related to it.
3. To make students understand the concepts of Public Expenditure, Public Debt and FISCAL SOLVENCY.
4. To provide understanding and application of fiscal policy under different economic conditions (inflation and deflation) including Budget and FRBM Act.

TYBCOM SEMESTER V

BUSINESS ECONOMICS PAPER-V

TITLE OF THE PAPER – OVERVIEW OF INDIAN ECONOMY AFTER 1991

1. To impart students detailed and Macro Economic Overview of Indian Economy.
2. To provide knowledge about Agricultural Development and amendments implemented in post reform period.
3. To give students detailed knowledge about Industrial sector of India during and Post -Reform Period.
4. To familiarised students with Banking Sector and structure of Indian Financial market i.e. Monetary and Fiscal Policy of India.

TYBCOM SEMESTER VI

BUSINESS ECONOMICS PAPER- VI

TITLE OF THE PAPER – INTERNATIONAL ECONOMICS- TRADE THEORIES & ECONOMIC INTEGRATION

1. To introduce students with the understanding of International Economics and various trade theories
 2. To yield students understanding about commercial Trade Policy and International Economic Integration.
 3. To impart students' knowledge about Balance of Payment and International Economic Organisation
 4. To provide students the understanding and application of Foreign Exchange Market, purchasing Power Parity Theory and role of Central Bank in Foreign Exchange Management.
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Department of Business law

PSOs:

Bcom

PSO1 Demonstrate awareness about Law and legislations related to Commerce and Business.

PSO2 Acquire business skills, by updating knowledge of the legal aspects of business.

PSO3

Course Outcomes:

SYBCOM

Paper 3: CBL301: Business Law – I

CO1 Identify the nature and classification of contracts

CO2 Define principles of a valid contract and a consideration.

CO3 Evaluate the rules of contractual capacity and obligations.

CO4 Describe the various kinds of special contracts.

CO5 Examine the various provisions of Contract of sale, implied conditions and warranties.

CO6 Classify various Negotiable instruments and reasons of its dishonor.

Paper 4: CBL401: Business Law – II

CO1 Enlist the different types of Companies under New Companies Act 2013.

CO2 Summarize the process of formation and Incorporation of a Company.

CO3 Analyze the distinction between a Partnership and a Limited Liability Partnership entity.

CO4 Explain the difference between Copyright, Patents and Trademark.

CO5 Interpret the provisions of Consumer Protection Act 2019, for protection of the interest of the consumer and settlement of consumer disputes.

CO6 Recognize the need for the Competition law to prevent unfair trade competition.

DEPARTMENT OF COMMERCE

PROGRAMME SPECIFIC OUTCOMES: Bachelor of Commerce

Students will be able to...

PSO 1: Get theoretical as well as practical knowledge about the different aspects of the business perspectives which prepare them to work & excel in the public sector and private sector & also demonstrate progressive knowledge of international business.

PSO 2: Understand the concepts in Business, Management, Marketing, HR & Finance and decides the career paths for themselves in the field of Advertising, Retailing, Marketing, HR, Production, Finance, Export Marketing, Marketing Research et cetera.

PSO 3: Work in service sector like retail, banking, insurance, e-business, communication & finance sectors.

PSO 4: Acquire entrepreneurial skills which enables them to set up their own business and manage it.

COURSE OUTCOMES:

FYBCOM

Commerce I & II:

CO1: Create awareness among the learners regarding the concept & importance of business.

CO2: Understand business & its environment.

CO3: Appraise the learners regarding the business promotion & entrepreneurship.

CO4: Develop awareness among the learners regarding different types of services.

SYBCOM

Commerce III & IV

CO1: Describe the process of management's functions; planning, organising, directing and controlling.

CO2: Demonstrate the ability of directing, leadership & communicate effectively.

CO3: Tell various perspectives on Quality and various contributors to quality.

CO4: Apply the concept of inventory management & analyse and evaluate material requirement decisions.

CO5: Comprehend the concept and structure of capital market & recent trends in finance.

Advertising I & II

CO1: Understand the various concepts of Advertising & its relevance to marketing.

CO2: Understand the application of advertising concepts in the field of marketing.

CO3: Identify & analyse different media options available.

CO4: Get practical exposure to advertising functioning & be able to create effective ads.

TYBCOM

Commerce V & VI (Marketing & Human Resource Management)

CO1: Give a clear understanding of different marketing terms.

CO2: Develop the various skill sets required for comprehending & facing the various challenges in marketing.

CO3: Get an insight into the effective management of employees.

CO4: Analyse the recent trends in HRM.

Export Marketing

CO1: Understands the basics of export marketing and its prospects and challenges.

CO2: Study & learn influence of trade barriers, implications of WTO Agreements, selection of foreign market, methods of entry in foreign market, important components of logistics export marketing & Foreign Trade Policy.

CO3: Study different export promotional organisations in India and to learn about export documents and incentives offered to Indian exporters.

CO4: Demonstrate their knowledge in completing export procedures as well as completing the pre-shipment & post-shipment formalities.

Department of Environmental Studies

PSOs:

B.Com

PSO1- Understand basic concepts and modern trends in the various fields of Environmental Education

PSO2-Develop understanding of the interdisciplinary nature of environmental studies

PSO3- Increase an awareness of the importance of living in harmony with environment

PSO4 -Generate measures for improvement and management of the environment

PSO5 - Impart Environmental considerations in commerce

PSO6 - Motivate to manage the domestic waste effectively at household level

Course Outcomes:

FYBCOM

Paper 1: CEVS101 :Environmental Studies-I

CO1Identifybasic functioning of environment

CO2Classify factors of environment which affect human activities in general and commerce in particular

CO3Examine current environmental issues at global and local levels

CO4Describe functioning of the ecosystems and role of human activities in the function of ecosystems

CO5Define goals of Sustainable Development

CO6Evaluate role of Individuals in the Resource Management

Paper 2:CEVS201 :Environmental Studies-II

CO1Analyze Spatial differences in the world resource production and consumption

CO2RecognizeSpatial Interactions in World commerce

CO3Illustrate environmental issues arising out of human activity structure

CO4Identify opportunities of developing Green Business , Green consumption & Corporate

Social Responsibility towards environment

CO5Assess the functioning of Environmental Movements and Environmental Management

CO6Adapt healthy and sustainable practices of Solid waste management

Department of Botany

PSOs; B.Sc. in Botany

Students will be able to ...

PSO1: Learn different types and classes of Plant kingdom and their life cycles.

PSO2: Understand the plant life at molecular level while learning the classical botany.

PSO3: Analysis of various events in plant life and their effects.

PSO4: Understand the medicinal importance of plants and their therapeutic importance.

PSO5: Identification and separation of secondary metabolites from them and studies of drugs and their applications.

PSO6: Learn the applications of various instruments useful in identification, separation techniques in modern technology.

PSO7: Gain the knowledge and importance of environment for sustainable life of organisms. They can also understand the need to overcome the environmental issues.

PSO8: Learn the Modern techniques of Biotechnology while learning a classical Botany.

F.Y.B.Sc

Name of the Paper: PLANT DIVERSITY I

F.Y. B.Sc. Paper I: Number of the Paper: 1

Course outcomes:

CO1: Understand the salient features, their life cycle pattern with a suitable example; to be able to identify them.

CO2: Know economic importance of various species of Algae, Fungi and Bryophytes and their applications for human kind.

CO3: Know more about the fascinating world of plants which will enhance their interest for the subject.

F.Y.B.Sc.

Name of the Paper: FORM AND FUNCTION II

F.Y. B.Sc. Paper II: Number of the Paper: 1

Course outcomes:

CO1: Understand importance of the cell wall, Plasma membrane, Chloroplast and Endoplasmic Reticulum,

CO2: Basic genetic Inheritance patterns

CO3: Understand the concept of Food chain, Energy flow and types of Ecosystems

F.Y.B.Sc.

Name of the Paper: Plant Diversity I

F.Y. B.Sc. Paper I: Number of the Paper: 1

CO1: To understand the salient features and economic importance of Pteridophytes and Gymnosperms, their life cycle pattern with a suitable example.

CO2: Identify morphology of different flower parts and identification of four families of flowering plants based on characteristics learned.

F.Y.B.Sc.

Name of the Paper: FORM AND FUNCTION I

F.Y. B.Sc. Paper II: Number of the Paper: 1

Course outcomes:

CO1: Understand Anatomical differences between dicots and monocots,

CO2: Mechanism of light reactions of photosynthesis, Diversity of CO₂ fixation in plants as per adaptations,

CO3: Identification of medicinal plants and their application in various ailments and diseases.

S. Y. B. Sc.

Name of the Paper: Plant Diversity

S.Y. B.Sc. Paper I: Number of the Paper: 1

Course outcomes:

CO1: Understand the morphology, structure, life cycle and economic importance of the organisms of respective groups of plants

CO2: Acquaint the concept of Systematics and Nomenclature and their objectives.

CO3: Understand the principle, working and applications of various techniques like Microscopy Chromatography and electrophoresis techniques.

S. Y. B. Sc.

Name of the Paper: Form and Function

S.Y. B.Sc. Paper II: Number of the Paper: 1

Course outcomes:

CO1: Understand the structure and functioning of cell organelles, their mechanism, role and importance of cell division.

CO2: Recognize the importance of cytogenetics in understanding concepts of variations in chromosomal aberrations, chromosome number and their adverse effects in humans and the concept of sex determination and sex linked traits.

CO3: Understand the fundamental life processes like DNA replication and protein synthesis.

S. Y. B. Sc.

Name of the Paper: Current trends in Plant Science

S.Y. B.Sc. Paper III: Number of the Paper: 1

Course outcomes:

CO1: Understand the importance of different pharmacopie used in herbal medicines, importance of various secondary metabolites, its functions, applications

CO2: Evaluate the different kinds of drugs as adulterants and substituent's.

CO3: Recognize the importance of forests, their location and importance of forest products along with the significance of forestry and its types.

CO4: Evaluate the significance of different fibres, spices and paper yielding plants.

CO5: Make students aware of the importance of plants in aromatherapy, nutraceuticals and in enzyme industry.

S. Y. B. Sc

Name of the Paper: Plant Diversity II

S.Y. B.Sc. Paper I: Number of the Paper: 1

Course outcomes:

CO1: Study the general characters, morphology, structure, life cycle and economic importance of the organisms belonging to Fungi, Pteridophytes and Gymnosperms,

CO2: Understand the basic terminology of plant pathology, symptoms and control measures of plant diseases.

CO3: Understand the basics of Palaeobotany, concept of Geological timescale and geological time period of various groups of organisms and the formation of fossils and its types.

S. Y. B. Sc.

Name of the Paper: FORM AND FUNCTION II

S.Y. B.Sc. Paper II: Number of the Paper: 1

Course outcomes:

CO1: Understand the concept of secondary growth, mechanical tissue system and their importance, different terminologies related to secondary growth and mechanical tissue system of plants.

CO2: Understand the process and mechanism of respiration, photoperiodism and Vernalization.

CO3: Understand the concept of biogeochemical cycle, difference between gaseous and sedimentary cycles.

CO4:Basics of Pedology, importance of various ecological factors.

S. Y. B. Sc.

Name of the Paper: Current trends in plant science II

S.Y. B.Sc. Paper III: Number of the Paper: 1

Course outcomes:

CO1: Acquaint the basics of horticulture features and types of landscape gardening.

CO2: Introduce the plant tissue culture as non-conventional method of propagation of plants.

CO3:Acquaint the importance of techniques, vectors and enzymes involved in r-DNA technology. To generate and test hypotheses, make observations, collect data, analyze and interpret results, derive conclusions, and evaluate their significance within a broad scientific context, using suitable statistical techniques.

T.Y.B.Sc.

Name of the Paper: PLANT DIVERSITY – V

T.Y. B.Sc. Paper I: Number of the Paper: 1

Course outcomes:

CO1:Recognize and identify major groups of non-vascular plants.

CO2: Understand the phylogeny of nonvascular plants and study of their classification.

CO3:Explore the morphological, anatomical, embryological details as well as the economic importance of viruses, bacteria, algae and fungi.

T.Y.B.Sc.

Name of the Paper: PLANT DIVERSITY – VI

T.Y. B.Sc. Paper II: Number of the Paper: 1

Course outcomes:

CO1:Recognize and identify major groups of vascular plants.

CO2:Understand the phylogeny of vascular plants and study of their classification.

CO3:Explore the morphological, anatomical, embryological details as well as the economic importance of bryophytes, pteridophytes, and gymnosperms.

T.Y.B.Sc.

Name of the Paper: FORM AND FUNCTIONS- III

T.Y. B.Sc. Paper III: Number of the Paper: 1

Course outcomes:

CO1:Acquire knowledge about two important organelles and molecular mechanisms of translation.

CO2:Understand water relations of plants, inorganic and organic solute transport, and apply the knowledge to manage mineral nutrition and survival in challenging abiotic stresses.

CO3:Understand succession in plant communities and study remediation technologies in order to apply knowledge acquired for cleanup of polluted sites.

CO4:get exposure to principles and techniques of plant tissue culture and apply these studies for improving agriculture and horticulture and to become an entrepreneur.

T. Y. B. Sc.

Name of the Paper:CURRENT TRENDS IN PLANT SCIENCES – III

T.Y. B.Sc. Paper IV: Number of the Paper: 1

Course outcomes:

CO1:Learn Ethnobotanical principles, applications and utilize indigenous plant knowledge for the cure of common human diseases and improvement of agriculture.

CO2:Get exposure to the technique of mushroom cultivation and explore the possibility of entrepreneurship in the same.

CO3: Gain knowledge about the latest molecular biology techniques for isolation and Characterization of genes.

CO4: Learn principles and application of commonly used techniques in instrumentation

CO5: Gain proficiency in the monograph study and pharmacognostic analysis of six medicinal plants.

T. Y. B.Sc.

Name of the Paper: PLANT DIVERSITY – VII

T.Y. B.Sc. Paper I: Number of the Paper: 1

Course outcomes:

CO1: Recognize and identify and understand the life cycles of bryophytes.

CO2: Study in detail classification and general characters of three classes of Pteridophytes and identify as well as describe the lifecycles of one example from each class.

CO3: Study evolutionary aspects and economic utilization of Bryophytes and Pteridophytes.

CO4: Identify, describe and study in detail the life cycles of three Gymnosperms.

T.Y.B. Sc.

Name of the Paper: PLANT DIVERSITY – VIII

T.Y. B.Sc. Paper II: Number of the Paper: 1

Course outcomes:

CO1: Study contribution of Botanical gardens, BSI to Angiosperm study and provide plant description, describe the morphological and reproductive structures of seven families.

CO2: Gain exposure to a phylogenetic system of classification.

CO3: Gain insight into the anatomical adaptations of different ecological plant groups.

CO4: Understand development plant of male and female gametophytes, embryonic structure and development.

CO5: Understand the different aspects and importance of Biodiversity and utilize them for conservation of species so as to prevent further loss or extinction of Biodiversity and preserve the existing for future generations.

T.Y.B. Sc.

Name of the Paper: FORMS AND FUNCTION – IV

T.Y. B.Sc. Paper III: Number of the Paper: 1

Course outcomes:

CO1: Study various plant biomolecular structures and appreciate the structures, role, functions and applications of enzymes.

CO2: To gain insight into the Nitrogen and plant hormone metabolism with applications of the same in agriculture and horticulture.

CO3: To understand principles of genetic mapping, mutations and solve problems based on them, gain knowledge of various metabolic disorders and their implications.

CO4: To generate and test hypotheses, make observations, collect data, analyze and interpret results, derive conclusions, and evaluate their significance within a broad scientific context, using suitable statistical techniques.

T. Y. B.Sc.

Name of the Paper: CURRENT TRENDS IN PLANT SCIENCE – IV

T.Y. B.Sc. Paper IV: Number of the Paper: 1

Course outcomes:

CO1: Gain insight into recent molecular biology techniques for DNA analysis, amplification and Barcoding techniques and applications therein.

CO2: Understand and apply tools of Bioinformatics for data retrieval and phylogenetic analysis.

CO3: Learn about the sources of economically important plants in the field of fats and oils and apply it for extraction, dealing with entrepreneurship in the field

CO4: Gain knowledge and proficiency in preservation of postharvest produce and explore the possibility of entrepreneurship in the field.

Department of Chemistry

PSOs:

BSC in Chemistry

PSO1 :To infuse in the learner a spirit of inquiry into the fundamental aspects of the various core areas of Chemistry.

PSO2 :To impart various skills of handling chemicals, reagents, apparatus, instruments and the care and safety aspects involved in such handling.

PSO3: Apply the Knowledge to understand the concepts and principles involved in various branches in chemistry

PSO3:Analyseand interpret results of the experiments conducted based on the basic concepts

PSO3 :Pursue higher education in the field of Chemistry.

PSO3 :Capable of acquiring or pursuing a source of livelihood like jobs in chemical industry

Course Outcomes:

FYBSC

SEMESTER 1

Paper 1: General Chemistry1 SCH101

CO1Define various terms in thermodynamics, thermochemistry and units of expressing concentration.

CO2Formulate the relationships between the various terms and solve numericals

CO3Understand the different atomic models, quantum numbers, periodic table

CO4Define periodic properties of atoms and discuss their trends in the periodic table

CO5: Able to identify the functional groups in the organic compound and write the IUPAC names of organic compounds

CO6 : Understand different types of reactions of organic compounds and their classification based on mechanism.'

Paper 2: General Chemistry 2 SCH102

CO1 : Understand concepts in reaction kinetics , surface tension, viscosity , classification of liquid systems

CO2 Solve numericals based on rate laws , measurement of surface tension , viscosity

CO3 : Correlate chemical properties of elements with their periodic properties

CO4 : Discuss environmental implication, health hazards due to Air pollution

CO5 : Recognize and draw constitutional isomers, stereoisomers, Newman and sawhorse projections

CO6 : Distinguish between conformations and configuration and draw the different conformations of simple alkanes and compare their stabilities.

SEMESTER2

Paper 1: General Chemistry1 SCH201

CO1 : Understand the reasons for deviation from ideal gas law , second law of thermodynamics,

CO2: Interpret concept of spontaneity, entropy and chemical equilibrium and solve numericals

CO3 : Understand the principles involved in Inorganic qualitative analysis and their application

CO4 : Apply the understanding of different classifications of Acid and Bases

CO5 : Predict the product of organic reactions involving alkanes, alkenes and alkynes as substrates.

CO6: Design synthesis of simple saturated and unsaturated hydrocarbons

Paper 1: General Chemistry2 SCH202

CO1 : Differentiate between types of electrolytes, buffers and space lattices

CO2 : Understand the classification of polymers and their properties

CO3 : Discuss the factor affecting structure of molecule based on VSEPR theory

CO4 :Understand redox chemistry of metal ions in various oxidation states

CO5 :Identify benzenoid ,non-benzenoid aromatic, anti-aromatic and non-aromatic compounds

CO6: Predict the reactivity and outcome of electrophilic aromatic substitution reactions in substituted benzene

SYBSC

SEMESTER 3

Paper 1: CHEMISTRY PAPER 1 SCH 301

CO1:Recognize the importance of certain thermodynamic functions like Gibbs free energy, partial

molal properties, fugacity, activity and their application

CO2:Predict the behaviour of the electrolytes by conductance phenomenon and its application

CO3 :Discuss the energetics of ionic bond formation and trends in lattice energy of ionic compounds

CO4 :Apply bonding theories VBT and MOT explain properties of polyatomic and diatomic molecules respectively

CO5 :. understand the mechanism nucleophilic substitution reaction mechanism as SN1, SN2 (with or without NGP)and factors affecting it

CO6 :Identify the different methods for the synthesis of alcohols and phenols and their product

their reactions.

Paper 2: CHEMISTRY PAPER 2 SCH 302

CO1 :Compare the different theories for rates of reactions

CO2 :Understand properties of different types of solution based on Raoult's law.

CO3 : Discuss the chemistry of group 13(special reference to Boranes)and Group 14 elements.(with special reference to extraction of Germanium

CO4 :Understandpreparation and chemical reactivity of different oxides of nitrogen and ammonia

CO5: discuss the mechanism of nucleophilic addition reaction involving aldehydes and ketones as substrates→

CO6 :Plan synthesis of simple compounds using diethyl malonate and ethyl acetoacetate, alkylation and acylation of enamines and ring opening of epoxides

Paper 3: Basic principles of Analytical Chemistry SCH 303

CO1: Compare Classical and Non-Classical Methods of Analysis; their types and importance

CO2 : Understand the Significance of Sampling in Analytical Chemistry, and types of errors

CO3 :Discuss the different types of Titrimetric Methods of analysis

CO4 :Understand the basic steps of Gravimetric analysis and their significance

CO5: Compare the various instrumental methods of analysis

CO6:Understand the basic terms in spectrometryand relationship between absorbance and concentration of theanalyte.

SEMESTER4

PAPER 1 CHEMISTRY PAPER 1 SCH 401

CO1:Calculate EMF of chemical cell and concentration cell using Nernst equation and determine equilibrium constant

CO2Apply of phase rule to one and two component systems

CO3 :Predict various properties of transition elements on the basis of their electronic configuration

CO4 :Apply VBT to explain the bonding and properties of complexes

CO5:Predict the product of organic reactions involving carboxylic acids as substrates

CO6: Design synthesis of simple carboxylic acids and their derivatives

PAPER2 CHEMISTRY PAPER 2 SCH 402

CO1:understand Laws of crystallography and Bragg's equation

CO2 :Identify the type of catalysis and their mechanism

CO3 :Identify acidic and basic nature of salts in aqueous medium using predominance diagram

CO4 :Understand the various steps involved in metallurgy with reference to extraction of titanium and vanadium.

CO5:Outline the product of organic reactions involving amines as substrates

CO6: Predict the stereochemistry of mono and di substituted cyclohexane derivativ

PAPER 3 BASIC ANALYTICAL CHEMISTRY SCH 403

CO1:Compare various methods of separations

CO2: understand the principle of solvent extraction and its application

CO3 :comprehendthe nature of interaction between applied electrical potential and the concentration of the analyte

CO4 :Compare with the various types of electrodes or half cells.

CO5: understand the use of statistical methods in chemical analysis.

CO6: calculate errors, Confidence limits and confidence interval

TYBSC

SEMSTER 5

Paper 1: PHYSICAL CHEMISTRY SCH501

CO1:compare the different branches of molecular spectroscopy

CO2: understand various colligative properties and their determination

CO3 :Apply collision theory to uni and bi molecular reactions

CO4:Comprehendvarious aspects of nuclear chemistry and its applications

CO5:compare thetypes of adsorptions and adsorption isotherms .

CO6 :understandcolloidal state, colloidal electrolytes and surfactants.

Paper 2: INORGANIC CHEMISTRY**SCH502**

CO1: assign the point group for the molecule

CO2 :apply MOT to explain bonding properties of triatomic molecules and metals

CO3: Calculate packing density of different solids

CO4 :Understand properties of lanthanides and the various methods of separation

CO5:Comprehend classification of solvents and reactions in nonaqueous solvents

CO6 :Apply VSEPR to explain the shapes of interhalogen compounds and oxyacids of halogens

Paper 3: ORGANIC CHEMISTRY**SCH503**

CO1: identify the different organic reactions mechanisms and write the expected reaction products based on the type of reaction

CO2:understand basic photochemistry and photochemical reactions involving carbonyl compounds and olefins.

CO3:predict the stereochemical outcome of nucleophilic substitution and electrophilic addition reactions.

CO4:.,Understand Principle and applications of Microwave and Ultrasound assisted Organic synthesis and their comparison with conventional methods

CO5: Apply retrosynthesis and design organic synthesis from simple starting compounds

CO6 :Understand basic concept of UV, IR, NMR and Mass spectroscopy and their application in structure determination of organic compounds.

Paper 4:ANALYTICAL CHEMISTRY SCH504

CO1: understand Concepts of Quality, Quality Control and Quality Assurance

CO2:calculate concentrations and their inter conversion of various concentration units.

CO3:understand Purpose, significance and difficulties encountered in sampling

CO4:comprehend principles of redox and complexometric titrations and their applications

CO5:understand principles of atomic and molecular spectroscopy

CO6:compare the various methods of separation solvent extraction, HPLC,HPTLC

Paper 5: HEAVY AND FINE CHEMICALS SCH505

CO1:. Differentiate between heavy and fine chemicals

CO2:Understandworking of various types of pumps

CO3:Apply skills of various laboratory techniques such as reflux, distillation, recrystallization, vacuum filtration, and thin-layer chromatography

CO4 :Comprehend the process of manufacture of fertilizers, agrochemicals, glass, perfumes, oils, fats,soaps, dyes, drugs

CO5:Determine thepurity and the yield of the products obtained in the reaction

CO6:Comprehend safe handling of chemicals and environmental issues

SEMESTER 6

Paper 1: PHYSICAL CHEMISTRY SCH601

CO1:Understand concept of activity coefficient ,classification of electrochemical cells,

CO2Comprehend the classification of polymers

CO3 :Calculatethe molecular weight of polymer

CO4 :Comprehendbasics of quantum Chemistry

CO5:Understand the importance of solar Cells and the utility of hydrogen as a fuel

CO6: Compare the basic concepts of Nuclear Magnetic Resonance with Electron Spin Resonance spectroscopy

Paper 2:INORGANIC CHEMISTRY SCH602

CO1:Apply CFT and MOT to explain properties of transitioncomplexes

CO2:Differentiate between Thermodynamic and Kinetic Stability,

CO3 :Determine terms, term symbols and draw Orgel Diagrams for metal complexes.

CO4 : Distinguish between homogeneous and heterogeneous catalysis, understand the mechanism of catalysis by organometallic complexes

CO5: comprehend classification, preparation and applications of nanomaterials

CO6:understandrole of inorganic elements in biological system

Paper 3: ORGANIC CHEMISTRY SCH603

CO1:Understand the synthesis, reactivity & importance of heterocyclic compounds

CO2: Identify and write mechanism and product of name reactions involving rearrangements

CO3 :Understand classification of monosaccharides and their properties

CO4 :Identify terpenoids,alkaloids and the different methods for structure determination

CO5 :understandproperties and reactivity of main group organometallics

CO6: comprehend use of redox reagents, their selectivity and synthetic applications.

Paper 4: ANALYTICAL CHEMISTRY SCH604

CO1:Understand different electroanalytical techniques

CO2:Compare between gas and ion exchange chromatography

CO3 :Comprehend the analytical methods in Foodand Cosmetics Analysis

CO4 :DifferentiatebetweenTGAandDTA

CO5: comprehend principles of thermometric titrations

:CO6: UnderstandAnalytical Method Validation

Paper 5: HEAVY AND FINE CHEMICALS SCH605

CO2:Understand the Manufacturing process properties and applications of important Heavy chemicals

CO3 :Comprehend the classification of composites and their application

CO4 :Understand Properties and extraction of oils and fats

CO5: Comprehend the various unit operations in industry

CO6: Understandthe synthesis and uses of dyes

Department of Mathematics

PSOs: BSC in Mathematics

PSO1: Students should be able to recall basic facts about mathematics and should be able to display knowledge of conventions such as notations, terminology.

PSO2: Students should get adequate exposure to global and local concerns that explore many aspects of mathematical sciences.

PSO3: Students are equipped with mathematical modeling ability, problem solving skills, creative talent and power of communication necessary for various kinds of employment.

PSO4: Students should be able to apply their skills and knowledge, that is, translate information presented verbally into mathematical form, select and use appropriate mathematical formulae or techniques in order to process the information and draw the relevant conclusion.

PSO5: Enabling students to develop a positive attitude towards mathematics as an interesting and valuable subject of study.

Course Outcomes:

FYBSC

SEMESTER- I

Paper 1: CALCULUS -I

After learning this course, the learner will be able to

CO1- Understand many properties of the real line \mathbb{R} and learn to define sequence in terms of functions from \mathbb{R} to a subset of \mathbb{R}

CO2- Recognize bounded, convergent, divergent, Cauchy and monotonic sequences and to calculate their limit superior, limit inferior, and the limit of a bounded sequence.

CO3- Learn about Calculating the limit and examine the continuity of a function at a point. Learn about Sketching curves in Cartesian and polar coordinate systems.

Paper 2: ALGEBRA -I

After learning this course, the learner will be able to

CO1-Know the properties of prime numbers.Understand mathematical induction as a proof technique

CO2-Understand basics of functions.

CO3-Understand Congruence in \mathbb{Z}_n , equivalence relation

Find the GCD of two polynomials and roots of polynomials

SEMESTER-II

Paper 1: CALCULUS - II

CO1-Learn about Convergence and divergence of Series Learn about Absolute & conditional convergence.

CO2-Learn about Continuity & Sequential continuity. Learn se about Intermediate value theorem and Bolzano Weierstrass Theorem

CO3-Learn about Differentiability with geometrical and physical interpretation. Learn about Mean value theorem & its applications.

Paper 2: ALGEBRA -II

After learning this course, the learner will be able to

CO1- Solve Equation of lines and planes, System of linear equations.Understand Matrices & Gaussian elimination method

CO2-Understand real vector spaces, subspaces, basis, dimension and their properties

CO3-Find the row space, column space and rank of a matrix.

SYBSC

SEMESTER-III

Paper 1: CALCULUS III

CO1- Learner will be able to deduce about Riemann Integration in Geometrically ways.

CO2- Learner will be able to understand the concept of Indefinite and Improper integrals.

CO3- Learner will be able to know the applications of definite integrals.

Paper 2: ALGEBRA-III [Semester- III]

CO1: To learn the importance of linear transformation in Physics, Engineering, Social sciences and various branches of Mathematics.

CO2: To learn to find Eigenvalues and Eigenvectors of a matrix which is used in the study of vibrations, chemical reactions and geometry.

CO3: To learn Inner Product spaces and Gram-Schmidt process of orthogonalization.

Paper 3: DISCRETE MATHEMATICS

CO1 To learn use of logical notation and perform logical proofs

CO2 To learn how to apply recursive functions and solve recurrence relations

CO3 To learn how to apply basic and advanced principles of counting and Calculate discrete probabilities

SEMESTER-IV

Paper 1: CALCULUS IV

CO1- Learner will be able to compare properties of functions of several variables with those of functions of one variable.

CO2- Learner will be able to deduce geometrical properties of surfaces and lines.

CO3- Learner will be able to apply the concept of differentiability to other sciences.

Paper 2: ALGEBRA-III

CO1: Define quotient space. Find the dimension of quotient space.

CO2: Apply Cayley Hamilton theorem.

CO3: Understand the geometric multiplicity and algebraic multiplicity.

Paper 3: ORDINARY DIFFERENTIAL EQUATION

CO1: To learn how to analyze real world scenarios to recognize when ordinary differential equations (ODEs) or systems of ODEs are appropriate, formulate problems about the scenarios, creatively model these scenarios (using technology, if appropriate) in order to solve the problems using multiple approaches, judge if the results are reasonable, and then interpret and clearly communicate the results

CO2: Recognize ODEs and systems of ODEs concepts that are encountered in the real world, understand and be able to communicate the underlying mathematics involved to help another person gain insight into the situation.

CO3: Work with ODEs and systems of ODEs in various situations and use correct mathematical terminology, notation, and symbolic processes in order to engage in work, study, and conversation on topics involving ODEs and systems of ODEs with colleagues in the field of mathematics, science or engineering.

TYBSC

SEMESTER-V

Paper 1: MATHS-I: MULTIVARIABLE CALCULUS II

CO1-Learner will be able to Multiple Integral

CO2-Learner will be able to understand and visualize Line Integral

CO3-Learner will be able to understand and visualize Surface Integral

Paper 2: MATHS-II : ALGEBRA-V

CO1: To learn fundamental properties and mathematical tools such as closure, identity, inverse and generators.

CO2: To study algebraic structure 'Groups' in detail which is useful in study of Rings, Modules, Algebraic topology, Analysis

CO3: To enhance abstract thinking of students.

Paper 3: MATHS-III: TOPOLOGY OF METRIC SPACES

CO1- Learner will be able to understand Metric spaces

CO2- Learner will be able to deduce concept of Sequences and complete metric spaces

CO3- Learner will be able to understand Compact sets.

Paper 4: MATHS-IV: NUMERICAL ANALYSIS -I

CO1 Demonstrate understanding of common numerical methods and how they are used to obtain approximate solutions to otherwise intractable mathematical problems.

CO2 Apply numerical methods to obtain approximate solutions to mathematical problems

CO3 Derive numerical methods for various mathematical operations and tasks, such as interpolation, differentiation, integration, the solution of linear and nonlinear equations, and the solution of differential equations.

Paper 5: APPLIED COMPONENT (COMPUTER PROGRAMMING AND SYSTEM ANALYSIS -I)

CO1: To understand the different issues involved in the design and implementation of a database system. To study the physical and logical database designs, database modeling, and relational models.

CO2: To understand and use SQL to query, update, and manage a database.

CO3: Students should know the model of object oriented programming and fundamental features of an object oriented language.

CO4: Students will be able to explain and develop programs for inheritance, multithreading,exception handling and file handling.

SEMESTER-VI

Paper 1: MATHS-I: BASIC COMPLEX ANALYSIS

CO1- To learn about Introduction to Complex Analysis

CO2- Learner will be able to understand Cauchy Integral Formula

CO3- Learner will be able to Solve Complex power series.

Paper 2: MATHS-II : ALGEBRA-VI

CO1: To learn to compare two different algebraic structures and study transfer of properties in between these structures through homomorphism and isomorphism.

CO2: To learn the construction of the field of quotients of an integral domain.

CO3: To study the Rings of polynomials and its factorization over a field. To study the notion of ideals and factor rings with examples.

Paper 3: MATHS-III: TOPOLOGY OF METRIC SPACES AND REAL ANALYSIS

CO1- Learner will be able to understand the concept of Continuous functions on metric spaces.

CO2- Learner will be able to deduce concept of Connected sets

CO3- Learner will be able to understand concept of Sequence and Series of functions

Paper 4: MATHS-IV: NUMERICAL ANALYSIS -II

CO1 Analyze and evaluate the accuracy of common numerical methods.

CO2 Implement numerical methods in Sage Maths.

CO3 Write efficient, well-documented Sage Maths code and present numerical results in an informative way.

Paper 5: APPLIED COMPONENT (COMPUTER PROGRAMMING AND SYSTEM ANALYSIS -II)

CO1: Define and demonstrate the use of built-in data structures “lists”, ”tuples” and “dictionary”.

CO2: Students learn how to use the libraries of SAGE to create and work with several algebraic structures.

CO3: Students will be able to explore Calculus , Numrical Analysis using SAGE math.

FYBCOM

MATHEMATICAL AND STATISTICAL TECHNIQUES-I [Semester-I]

CO1:The students would be familiar with the concept of Mutual Funds , different types of Mutual Funds, and were able to calculate concepts such as dividends, dividend reinvestment, Systematic Investment Plans.

CO2: The students would get to know about the usage of permutations and combinations in different arrangements and selections.

CO3: The students would be able to understand different measures of Central Tendencies, their merits, demerits and acquire the skill of calculating different measures of Central Tendencies and Dispersion.

MATHEMATICAL AND STATISTICAL TECHNIQUES-II [Semester-II]

CO1: Describe the relationship between independent and dependent variables and between two attributes.

CO2: Develop a functional relationship between variables which can be used for prediction.

CO3: Know various forecasting techniques and apply it for business data.

TYBCOM

COMPUTER SYSTEMS AND APPLICATIONS-I [Semester-V]

CO1: Work effectively with a range of current, standard, Office Productivity software applications.

CO2: Evaluate, select and use office productivity software appropriate to a given situation.

CO3: Apply basic adult learning and assessment principles in the design, development, and presentation of material produced by office productivity applications.

COMPUTER SYSTEMS AND APPLICATIONS-II [Semester-VI]

CO1: Operate a variety of advanced spreadsheet, operating system and word processing functions.

CO2: Solve a range of problems using office productivity applications, and adapt quickly to new software releases.

CO3: Students code visual programs by using Visual Basic work environment.

Department of Physics

PSOs: BSC in Physics

POS 1: Student should understand and apply the principals of Mathematical Physics, Classical mechanics ,Quantum mechanics, Thermodynamics ,Nuclear Physics, Statistical mechanics ,Electrodynamics, Atomic and Relativity .

POS 2: Students should understand and apply the principals of solid state Physics, Optics, Photonics and Spectroscopy.

POS 3: Students should understand and apply the principals of Electronics, Design Trouble shoot and test the electronic circuits.

POS 4: Students should understand and apply the principals of Mathematical Physics and Computational Physics and do Error analysis in measurements.

PSO5: Enabling students to develop a positive attitude towards physics as an interesting and valuable subject of study.

COURSE OUTCOMES:

FYBSC

SEMESTER- I

Paper 1: Classical Physics

After learning this course, the learner will be able to

CO 1: Understand Newton's laws of motion, the concepts of linear and angular momentum and torque.

CO 2: Determine angular momentum of a body about any given axis.

CO 3: Understand Newton's laws and apply them in calculations of the motion of simple systems.

CO 4: Use the free body diagrams to analyse the forces on the object.

CO 5: Understand the concepts of friction and the concepts of elasticity, fluid mechanics and be able to perform calculations using them.

CO 6: Understand the concepts of lens system and interference.

CO 7: Apply the laws of thermodynamics to formulate the relations

necessary to analyse a thermodynamic process.

CO 8: Demonstrate quantitative problem solving skills in all the topics covered.

FYBSC

SEMESTER- I

Paper 2: Modern Physics

CO 1: Understand nuclear structure, properties and nuclear behaviour.

CO 2: Understand the type isotopes and their applications.

CO 3: Understand X rays, properties and their uses in various field

CO 4: Understand the quantum mechanical concepts.

CO 5: Understand radioactivity concept and radio active decay.

FYBSC

SEMESTER-II

Paper 1: Mathematical Physics

CO 1: Understand vector operations and vector algebra

CO 2: Understand derivative and integration of various functions

CO 3: compare differential operators in various coordinate systems

CO 4: solve first order and second order ordinary differential equations

CO 5: To apply basic mathematical concepts in physical situations.

FYBSC

SEMESTER-II

Paper 2: Electricity and Electronics

CO 1: Apply principles of electricity in day to day life.

CO 2: Use of electronic components for making various electronics gadgets.

CO 3: Understand the basic difference between basic gates, universal gates and special gates

CO 4: Understand the use of NAND & NOR gates as basic building blocks.

CO 5: Understand the concept of transistor and importance of biasing of transistor.

SYBSC

SEMESTER-III

Paper 1: Mechanics and Thermodynamics

CO 1: Understand the various concepts related to compound pendulum

CO 2: Understand how to derive expressions for linear momentum, angular momentum and torque with and without CM frame

CO 3: Understand the concept of “Entropy”

CO 4: understand the working of various heat engines.

CO 5: Understand the various types of heat engines and their cycles.

CO 6: Understand the PV diagram and interpret the efficiency of heat engines.

SYBSC

SEMESTER-III

Paper 2: Vector Calculus & Analog Electronics

CO 1: Understand the basic concepts of mathematical physics and their applications in physical situations.

CO 2: Understand the basic laws of electrodynamics and be able to perform calculations using them.

CO 3: Understand the basics of transistor biasing, operational amplifiers, their applications.

CO 4: Understand the basic concepts of oscillators and be able to design various types of oscillators for practical purpose.

CO 5: Understand the concept of feedback and use of feedback in an amplifier circuit.

CO 6: Understand what is Op- amp? And why it is known as operational amplifier.

CO 7: Understand the Op- amp as an amplifier and also applications in performing different mathematical operations.

SYBSC

SEMESTER-III

Paper 3: Applied Physics – I

CO 1: Understand the concept of Acoustics

CO 2: Familiar with LASER concepts its principle and properties.

CO 3: Understand why LASER is a powerful tool for various application.

CO 4: Understand the basic concepts of nanotechnology.

CO 5: Students expose to crystal structure so that they can understand the basics of crystallography.

SYBSC

SEMESTER-IV

Paper 1: Optics and Digital Electronics

CO 1: Understand the Fresnel and Fraunhofer type of diffraction and their applications.

CO 2: Acquire in depth knowledge of production, detection, analysis and applications of polarized light.

CO 3: Understand the working of digital circuits

CO 4: Understand the construction and working of flip-flop, counters and register circuits.

CO 5: Understand the different systems and their inter conversion.

CO 6: Understand use of FF circuit to design various counter circuits.

SYBSC

SEMESTER-IV

Paper 2: Quantum Physics

CO 1: understand the limitation of classical mechanics.

CO 2: understand the de-broglie hypothesis , concept of wave nature of matter and Heisenberg's uncertainty principle.

CO 3: write and solve Schrodinger equation for simple mechanical system.

CO 4: Understand the postulates of quantum mechanics and to understand its importance in explaining significant phenomena in Physics.

CO 5: Understand how to write time dependent and time independent Schrodinger equation.

CO 6: Determine probability of finding a particle and expectation values of variables using its wave function.

SYBSC

SEMESTER-IV

Paper 3: Applied Physics – II

CO 1: Understand the basic microprocessor 8085.

CO 2: Understand the importance of peripheral devices in Microprocessor 8085.

CO 3: Understand the block diagram of 8085 and their importance in microprocessor.

CO 4: Understand the importance of different types of buses in microprocessor.

CO 5: Understand the importance of interpret.

CO 6: Learn different types of instruction sets and implement them in performing various operations.

TYBSC

SEMESTER-V

Paper 1: Mathematical Physics and Statistical Mechanics

CO 1: Understand the basic concept of statistical mechanics

CO 2: Understand the concept of distribution functions and apply it in problem solving/

CO 3: Understand various methods of solving partial D.E.

CO 4: Understand the difference between different statistics, classical as well as quantum.

CO 5: Understand the concept of independent events

TYBSC

SEMESTER-V

Paper 2: Solid State Physics

- CO 1: Understand the basics magnetic, electrical properties of metals
- CO 2: Understand how bands are formed in semiconductors
- CO 3: What is superconductivity? How superconductivity is important.
- CO 4: Understand how conduction takes place in semiconductors.
- CO 5: Understand the concept of Hall Effect and its applications.
- CO 6: Understand the features and drawback of classical free electron theory.

TYBSC

SEMESTER-V

Paper 3: Atomic and Molecular Physics

- CO 1: Understand application of quantum mechanics in atomic physics
- CO 2: Understand importance of electron spin, symmetric and anti-symmetric wave functions and vector atom model
- CO 3: Understand the effect of magnetic field on atoms and its application.
- CO 4: Understand the importance of spectroscopy.

TYBSC

SEMESTER-V

Paper 4: Electrodynamics

- CO 1: Understand the laws of electrodynamics and be able to perform calculations using them.
- CO 2: Understand Maxwell's electrodynamics and its relation to relativity.
- CO 3: Understand how optical laws can be derived from electromagnetic principles.
- CO 4: Develop quantitative problem-solving skills.
- CO 5: Understand the Maxwell equation and Poynting's theorem to apply on systems

TYBSC

SEMESTER-V

Paper 3: Applied Component- Advanced Microprocessor, Microcontrollers & Python Programming

CO 1: Use advance instruction and programme the microprocessor 8085 and also Use of peripheral devices of 8085 microprocessor to interact 8085.

CO 2: Understand the basics behind the microcontroller (MCS 51 family) , learn simple programming of MCS 51

CO 3: Write and run basic programs in Python

CO 4: Understand procedural way of programming using functions

SEMESTER-VI

Paper 1: Classical Mechanics

CO 1: Understand the kinds of motions that can occur under a central potential and their applications to planetary orbits.

CO 2: Understand the concepts needed for the important formalism of Lagrange's equations and derive the equations using D'Alembert's principle.

CO 3: Understand the concepts of fluid mechanics and dynamics of rigid bodies.

CO 4: Understand the irregularity we observe around us in nature as a result of adding nonlinear corrections to usual problems of mechanics i.e. due to non-linear mechanics.

CO 5: Solve the problem based of central force system and understand the transformation for inertial and non-inertial frame.

SEMESTER-VI

Paper 2: Electronics

CO 1: Understand the FET and difference between BJT and FET.

CO 2: Understand the power device and its application as controlled rectifier.

CO 3: Understand the use of differential amplifier in constructing Op- amp.

CO 4: Understand the concept of Op- Amp and its various applications.

CO 5: Understand the concept of Multivibrators and their designing using various components such as transistor, 555 timer IC and Op-Amp IC.

CO 6: Understand the concept of modulation and demodulation in communication systems.

SEMESTER-VI

Paper 3: Nuclear Physics

CO 1: Understand the fundamental principles and concepts governing classical nuclear and particle physics.

CO 2: Applications of Nuclear Physics in the field of particle accelerators and energy generation, nuclear forces and elementary particles.

CO 3: Understand the concept of elementary particles and their importance.

CO 4: Understand use of various nuclear detectors.

SEMESTER-VI

Paper 4: Special Theory of Relativity

CO 1: Understand the significance of Michelson Morley experiment and failure of the existing theories to explain the null result.

CO 2: Understand the importance of postulates of special relativity, Lorentz transformation equations and how it changed the way we look at space and time, absolutism and relativity, Common sense versus Einstein concept of Space and time.

CO 3: Understand the transformation equations for: Space and time, velocity, frequency, mass, momentum, force, Energy, Charge and current density, electric and magnetic fields.

CO 4: Solve problems based on length contraction, time dilation, velocity addition, Doppler effect, mass energy relation and resolve paradoxes in relativity like twin paradox etc.

CO 5: : Understand the relativistic effects and twin paradox using space-time diagrams.

SEMESTER-VI

Paper 5: Applied Component- Advanced Microprocessor, Microcontrollers & Python Programing

CO 1: Understand the concept of timer, counter and interrupt and programme the 8051 (MCS 51) for interrupt.

CO 2: Understand the importance of Object Oriented Programming.

CO 3: Design GUI interface for data handling and analysis through MySQL database.

CO 4: Learn data handling and analysis through programming.

DEPARTMENT OF ZOOLOGY

POs: B.Sc. in Zoology

Students will be able to....

PSO1: Identify, classify and understand the different fauna according to the Taxonomic key and advanced tools in Classical Zoology, understand their function of various organ system and thus, can correlate its peculiar characteristics with origin, adaptations and modifications.

PSO2: Develop the skills of critical and analytical thinking to focus on the advanced tools of Zoology, handling of scientific instruments and its application in the industry and various sectors, promoting self-paced and self-directed learning for personality development.

PSO3: Create awareness about the norms and conditions, ethics interrelated with the conservation of valuable resources of the country, responsive to the activities correlated with ecosystem, biodiversity and animal study, to protect the flora and fauna and build an enriched biodiversity.

PSO4: Apply the knowledge perceived from practical and theoretical knowledge from diverse fields of Zoology towards research-oriented studies and develop the skills of scientific communication along with the ethical aspects of research, covering the dissemination of data and applications of research.

PSO5: Identify and enhance the application of relevant biological software to analyze the data by obtaining knowledge in biostatistics, computational biology, Molecular biology and Biotechnology.

PSO6: Acquire skills in diagnostic testing, haematology, histopathology, molecular biology used in clinical and research laboratories will provide them opportunity to work as an individual or team with skills and personality development.

PSO7: Acquire the knowledge pertaining to access comparative study of various

systems

across levels of organization ranging from primitive to advanced examples within the zoological sciences to formulate hypotheses and evaluate its scientific findings.

PSO8: Understand the application of integrated learning in various disciplines like aquaculture, apiculture, agriculture and medicine, thus contributing to the environmental policies and exploring career opportunities in application-oriented and research inculcated study for the benefit of the society.

PSO9: Apply the work independently to enhance their expertise through various activities like seminars, workshops, assignments, etc., manage project-based learning on innovative aspects in various branches of Zoology.

PSO10: Recognize the novel agenda to enhance independent learning, collaborative efforts and scientific temper through innovative resources and facts on recent events, thus creating interactive learning with productive outcomes.

Course Outcomes

FYBSc Zoology Paper I: SZO101

Name of the Paper: Wonders of Animal World, Biodiversity and its Conservation

CO1: Understand the knowledge of conceptual and practical implications of animal interaction, their mechanisms, conservation of biodiversity and contribution of eminent researchers, leaders and entrepreneurs.

CO2: Develop innovative ideas in research to analyze recent facts and generate novel products beneficial for the society.

CO3: Create awareness about various conservation strategies inculcating ethical guidelines and policies in Biodiversity.

CO4: Apply the knowledge about the fascinating world of animals to enhance their interest for the subject of Zoology and eco-friendly learning.

CO5: Identify the efforts put forward by eminent personalities to contribute to exploring versatile fields of Zoology.

CO6: Design and conduct workshops on animal behavior, advanced techniques in evaluating biodiversity and environmental issues.

FYBSc Zoology Paper I: SZO201

Name of the Paper: Ecology and Wildlife Management

CO1: Understand the concept of interdependence and interaction of physical, chemical and biological factors in the environment.

CO2: Develop the research strategies in the structural adaptations and evolutionary patterns of flora and fauna to promote sustainable development.

CO3: Create awareness about the wildlife conservation globally with the guidelines from relevant governing agencies.

CO4: Apply the study about nature of animal population, specific factors affecting its growth and its impact on the population of other life form in the society.

CO5: Identify and classify animals and thus, gain knowledge about the key to observe species pertaining to their anatomy and behavioral patterns in detail.

CO6: Design and conduct workshops for career advancements in the field of wildlife conservation, research, photography and ecotourism.

FYBSc Zoology Paper II: SZO102

Name of the Paper: Instrumentation and Animal Biotechnology

CO1: Understand recent advances in handling of instruments, animal biotechnology and their applications for the betterment of mankind; and develop the critical and analytical thinking.

CO2: Develop hands-on-training experience on different instruments, thus can further help them to inculcate applications of instruments in research in animal biotechnology.

CO3: Create awareness about the ethical issues of transgenic animals and the applications of Biotechnology in different arenas.

CO4: Apply the laboratory practices to boost their scholastic performance, knowledge and economy in use of materials/chemicals during practical sessions and industries.

CO5: Acquire research orientation skills in Animal Biotechnology pertaining to the laboratory techniques and advanced technology in experimentation.

CO6: Design and comprehend the importance of career perspectives in the field of Animal biotechnology through training programs and workshops.

FYBSc Zoology Paper II: SZO202

Name of the Paper: Nutrition, Public Health and Hygiene

CO1: Understand the about the healthy dietary habits, remedy for conservation of resources, maintaining proper sanitation, hygiene and impact for various disorders and diseases.

CO2: Develop relevant solutions which will lead to psychologically strong mind set promoting positive attitude important for academics and will be able to acquire knowledge of cause, symptoms and precautions of infectious diseases.

CO3: Create awareness about the precautionary and preventive measures of developing health hazards in younger generation due to faulty eating habits.

CO4: Apply the knowledge of remedial strategies of diseases in research for the benefit of the society.

CO5: Assess the skills of teamwork and leadership qualities by organizing collaborative programs initiated pertaining to the Health and Sciences.

CO6: Comprehend the concept of optimum conservation of water, encouragement for maintaining adequate personal hygiene, minimal usage of electronic gadgets, avoiding its addiction, thus facilitating eco-friendly network.

CO7: Recognize stress related problems at initial stages and thus can evaluate its remedial measures and its treatment.

SYBSc Zoology Paper I: SZO301

Name of the Paper: Fundamentals of Genetics, Chromosomes and Heredity, Nucleic acids

CO1: Understand the principles of inheritance, multiple alleles and crossing over, the structure and types of chromosomes and importance of nucleic acids as genetic material.

CO2: Develop the genetic investigations to evaluate its impact in daily life of humans.

CO3: Apply the knowledge of genetic principles and regulation of gene expressions in the society and research studies.

CO4: Correlate the chromosomal mechanisms, disorders with different parameters to disc

over and explore therapeutic studies.

CO5: Create awareness about the employment opportunities through engaging in health-related professional program, workshops and project on genomics.

CO6: Construct the research plan to design interventions in Genetics to emphasize on its applications in treatments.

SYBSc Zoology Paper I: SZO401

Name of the Paper: Origin of Life, Population Genetics and Evolution, Scientific Attitude, Methodology, Scientific Writing and Ethics in Scientific Research

CO1: Understand the theories of evolution, forces that cause evolutionary changes in natural populations, ethics in scientific research.

CO2: Develop the concept of origin of life, genetic variability within a population and evolutionary patterns of animals and scientific attitude.

CO3: Apply the methodologies in population genetics using different conditions and analyze the impact of theoretical concepts with practical evidences.

CO4: Compare the evidences in support of innovative theories of evolution and trace the mechanism in animal systems as a part of Evolutionary genetics.

CO5: Create awareness about the ethical guidelines drafted by the relevant government bodies and avoid the concept of plagiarism in research writing through contribution in research publications.

CO6: Identify the components and steps involved in writing a research paper and types of research reports to promote scientific temperament and pursue higher education.

CO7: Design the research proposal to inculcate the scientific ethics, computer application in research writing and methodologies to inculcate career development.

SYBScZoologyPaperII:SZO302

NameofthePaper:NutritionandExcretion,Respirationandcirculation,ControlandcoordinationofLifeProcesses, Locomotion and Reproduction

CO1: Understand the increasing complexity of nutritional, excretory and osmoregulatory physiology in evolutionary hierarchy.

CO2: Develop the concept of nutritional apparatus, respiratory, circulatory, control and coordination, locomotion and reproductive processes in application-based studies.

CO3: Apply the knowledge of the process of control and coordination by nervous, endocrine regulation and various reproductive strategies present in animal systems and its mechanisms in research and comparative physiology studies.

CO4: Create awareness about the ethical issues in animal testing and the policies drafted by the relevant government authorities.

CO5: Construct the research perspectives used in various field of Zoology and pursue career advancements through visits to medical research institutes.

CO6: Compare the different processes in correlation with animal systems to enhance the data on efficacy in treatment used in medical research.

CO7: Correlate the habit and habitat with nutritional, excretory and osmoregulatory structures, the habit and habitat with respiratory and circulatory structures.

SYBScZoologyPaperII:SZO402

NameofthePaper:CellBiology,EndomembraneSystemandBiomolecules

CO1: Understand the transport mechanisms for the composition with maintenance of cell and the interlinking of endomembrane system for functioning of cell.

CO2: Develop the mechanisms of cell organelles to study its impact on the daily life of humans.

CO3: Apply the knowledge of structure and functions of biomolecules to emphasize its role in different systems and clinical research.

CO4: Comprehend the importance of practical implications in treatment of clinical disorders.

ers, thus enhancing employment opportunities.

CO5: Identify the biomolecules with its structure, functions and its clinical significance.

CO6: Design the research modules by implementing workshops and seminars to create interest in understanding complex concepts with practical knowledge

SYBSc Zoology Paper III: SZO303

Name of the Paper: Ethology, Parasitology, Economic Zoology

CO1: Understand the different types of animal behavior and their role in biological adaptations, general epidemiological aspects of parasites that affect humans.

CO2: Develop the advanced techniques used in Animal Husbandry and its application in different fields of Zoology.

CO3: Apply the knowledge of the economic importance of animals used in Apiculture, Vermiculture and Dairy Industry in everyday human life and industries to procure novel products which will benefit mankind.

CO4: Create awareness about the pathogenicity, precautionary measures and the treatment of different types of parasites and hosts and ethical issues in animal handling.

CO5: Correlate the host-parasite relationship with host specificity to understand the life cycle of parasite and modify the remedial measure for its eradication.

CO6: Construct the research practices in the field of culturing techniques of social animals to emphasize its medicinal and industrial applications.

CO7: Create employment opportunities as an entrepreneurship and collaborate with research institutes for expertise support.

SYBSc Zoology Paper III: SZO403

Name of the Paper: Comparative Embryology, Aspects of Human Reproduction, Pollution and its effect on organisms.

CO1: Understand the development of embryonic stages in different animals, human reproductive physiology and the impact of pollutants on organisms.

CO2: Develop the advanced methodologies used in the study of comparative embryology and detection of remedial measures to control pollution.

CO3: Apply the knowledge of control measures in pollution through awareness programs and workshops for the betterment of the society.

CO4: Identify the concept of human reproductive system, hormonal regulation factors, infertility and its advanced treatments in medical field.

CO5: Classify the factors responsible for processes in embryology and degradation of the environment.

CO6: Design the research plan to inculcate the study of developmental process, hormonal regulation in animals and explore career pursuing higher education.

TYBSc Zoology Paper I: SZO501

Name of the Paper: Taxonomy and Type Study I

CO1: Understand the basic principles of classification and modern classification up to class of the simple to complex invertebrate animals and study of Sepia.

CO2: Comprehend the concept of Invertebrate animal life of Sepia in detail with the classification and the systems.

CO3: Develop the idea of working of the different systems within the Invertebrates and thus, gain the knowledge about the life history and the peculiar adaptations of the Invertebrates.

CO4: Apply the knowledge of higher groups of invertebrate animal life and their classification pertaining to different aspects in their habitat and research.

CO5: Create awareness pertaining to the ethical issues in animal dissection and follow the guidelines put forward by authorized government regulatory bodies.

CO6: Classify each organism based on the habits and habitat, characteristics, its structural organization and behavioral patterns.

CO7: Recall characteristics features and examples of each phylum in accordance with the hierarchy and evolutionary approaches.

CO8: Design the research strategies in Taxonomy and its tools of evaluation to explore new avenues and career opportunities.

TYBSc Zoology Paper I: SZO601

Name of the Paper: Taxonomy and Type Study II

CO1: Understand the characteristic features and examples of different Phylum and emphasize on the examples which generates curiosity for further research.

CO2: Comprehend the concept of Vertebrate animal life of Shark (*Scoliodon*) elaborately with the classification and the systems in detail.

CO3: Develop an idea of origin of Chordates, its taxonomy up to class with reference to phylogeny and their special features

CO4: Apply the knowledge of animal study in identifying the fauna through key features, habitat and behavioral aspects which will enhance their knowledge in the subject of Zoology.

CO5: Create awareness about the ethical guidelines for animal dissection and follow the norms put forward by relevant government authorities.

CO5: Classify each organism based on the habits and habitat, characteristics, its structural organization and comparative systems.

CO6: Recall characteristics features and examples of each phylum in accordance with the cladistics and analyze the evolutionary patterns.

CO7: Design the research proposal in Taxonomy, its tools and systems of Shark to explore new strategies and career advancements

TYBSc Zoology Paper II: SZO502

Name of the Paper: Haematology and Immunology

CO1: Understand the concepts of basic and applied haematology, immunopathology and the principles and applications of vaccines and develop basic understanding of immunology of organ transplantation.

CO2: Develop the techniques used in Haematology and Immunology for the

diagnostic tests in a pathological laboratory.

CO3: Apply with diagnostic approaches in haematological disorders and better equipped for further pathological course or working in a diagnostic laboratory.

CO4: Comprehend the types of immunity and the components of immune system and identify various components of haemostatic systems.

CO5: Construct the research strategies for the development of vaccines, thus emphasize on creating high demand for career opportunities in health and medicine field.

CO6: Realize the significant role of immune system in giving resistance against diseases.

TYBSc Zoology Paper II: SZO602

Name of the Paper: Enzymology, Homeostasis, Endocrinology and Animal Tissue Culture

CO1: Understand fundamentals of enzyme structure, action and kinetics, the enzyme assay procedures, the therapeutic applications of enzymes, concept of homeostasis, thermoregulation and osmoregulation

CO2: Develop the theoretical knowledge into practice by improvising in the techniques and methodology of tissue culture.

CO3: Apply the knowledge of tissue culture as a tool in specialized areas of research and enhance its applications in various industries.

CO4: Create awareness about the ethical issues pertaining to the animal model systems used in Enzymology, Endocrinology and Animal Tissue culture.

CO5: Comprehend the adaptive responses of animals to environmental changes for their survival.

CO6: Construct multi-disciplinary approach correlating parameters from different subjects in Zoology for research attributes and implementing advanced technology.

CO7: Develop career opportunities in the field of Endocrinology and Animal tissue culture through conducting hands-on-training workshop on advanced techniques and its applications.

TYBSc Zoology Paper III: SZO503

Name of the Paper: Mammalian Histology, Basic Toxicology, General Pathology and Biostatistics

CO1: Understand the well-planned organization of tissues and cells in the organ systems, basic principles of toxicology and general pathology with various medical terminology pertaining to pathological condition of the body caused due to diseases.

CO2: Develop broad understanding of the different areas of toxicology and enhance critical thinking to assist students in preparation for employment in pharmaceutical industry and related areas.

CO3: Apply different statistical tools to collect, organize and analyze data using parametric and non-parametric tests and set up a hypothesis and verify the same using limits of significance in the field of Zoology.

CO4: Create awareness to acquire knowledge about precautionary measures and remedial treatment, thus promoting healthy impact on the society.

CO5: Design research modules with research aptitude and implement innovative ideas for future aspects.

CO6: Comprehend the knowledge of effect and types of toxicity, retrogressive, necrotic, pathological conditions in the body, thus explaining repair mechanism of the body.

TYBSc Zoology Paper III: SZO603

Name of the Paper: Molecular Biology, Genetic Engineering, Human Genetics and Bioinformatics

CO1: Understand the intricacies of chemical and molecular processes that affect genetic material and recognize the significance of molecular biology as a basis for the study of other areas of biology and biochemistry.

CO2: Develop a computational approach on bioinformatics to explore the structure and

ganization of genomes, phylogeny and metabolism of an organism.

CO3: Apply the vast array of techniques used to manipulate genes which can be beneficial in numerous fields like medicine, research, etc. for human benefit.

CO4: Create awareness about the impact of changes occurring at gene level on human health and its diagnosis.

CO5: Comprehend the related areas in recent advancement used in the fields of genetic engineering, biotechnology and Bioinformatics.

CO6: Analyze advanced techniques to modify an organism's genome to produce improved or novel genes and organisms.

CO7: Design innovative ideas for research-based studies and thus, develop their intellectual ability and develop career opportunities in different fields of Zoology.

TYBSc Zoology Paper IV: SZO504

Name of the Paper: Integumentary system, Human Osteology, Limb Muscles and Developmental Biology of Chick

CO1: Understand the importance of various types of epidermal, dermal derivatives along with their functions, the types of long limb muscles, its arrangement and their role in body movements and development in Chick embryo.

CO2: Identify the different structures and functions of integumentary structures and derivatives in Vertebrates, bones of human skull and human body.

CO3: Apply the knowledge of study of human skeleton in the muscle injuries and syndromes.

CO4: Analyze the processes involved in embryonic development and practical applications of techniques used in the development of chick embryology.

CO5: Construct research projects on methodologies designed for developmental stages in Chick embryology and advanced equipment used in the field of Human Osteology.

CO6: Comprehend the knowledge about the structure, types and functions of human skeleton, its arrangement and their role in body movements.

TYBSc Zoology Paper IV: SZO604

Name of the Paper: Environment and Wildlife Management, Bioprospecting, Zoopharmacognosy and Zoogeography

CO1: Understand the different factors affecting environment, its impact and environment management laws, conservation strategies in Wildlife and the specific geographic distribution of animals.

CO2: Comprehend the paradigms of discovery and commercialization of biological resources and knowledge gained by self-medication by animals

CO3: Apply the knowledge to overcome the issues related to wildlife conservation and management.

CO4: Develop the strategies of exploration of natural resources for novel products for the benefit of the society and the reasons for distribution of animals around the globe.

CO5: Create awareness about the research studies of new products based on biological resources and various ethological aspects.

CO6: Assess the role of Zoopharmacognosy in modern medicine to evaluate evidence-based therapeutic efficacy.

CO7: Construct the research proposal for scope in exploring novel techniques in the field of Zoology and provide employment opportunities.

Department of Zoology

POs: M.Sc. in Zoology

Students will be able to....

PSO1: Acquire global knowledge in education, training & research in the field of Zoology where teaching and research are in crust detailed understanding from microbes to human.

PSO2: Develop skills in handling scientific instruments planning and performing in the laboratory and exercising critical judgment, independent thinking and problem-solving skills.

PSO3: Create awareness about teaching and research programs that have relevance to society and employability.

PSO4: Apply the broad skills, conceptual knowledge and field studies to explore facts and research orientation.

PSO5: Communicate effectively with eminent researchers and entrepreneurs to emphasize on the career advancement.

PSO6: Identify the depth of the concepts in Zoology to analyze the current issues and propagating remedial to the consequences through experimental learning and analytical thinking.

PSO7: Acquire the knowledge with the necessary theory and practical, to implement progress with confidence for further inculcating independent fields into specialized areas of research and clinical studies.

PSO8: Understand the impact of nurturing the environment with sustainable development and demonstrate the practices through projects and field visits.

PSO9: Apply the norms and ethical principles in the practical implications, thus promoting moral and social values.

PSO10: Recognize the ability to improvise the self-reflective learning with recent developments in the society and promote team work.

Course Outcomes

MSc Zoology Paper I:

SMZO101 Name of the Paper:

Non-Chordates

CO1: Understand the evolution of non-

chordates and their phylogenetic relationships by means of paleontological evidences.

CO2: Differentiate anatomical and physiological modifications of digestive and excretory systems of non-chordates like Protostomes and Deuterostomes.

CO3: Comprehend the anatomical and physiological modification in respiratory and circulatory systems of non-chordates like Protostomes and Deuterostomes.

CO4: Compare the anatomical and physiological modifications of nervous systems and chemical co-ordination of non-chordates.

CO5: Categorize the modifications of reproductive systems of non-chordates.

CO6: Apply the knowledge of affinities in various Phylum in the analysis of the different systems.

CO7: Construct the phylogeny tree of non-

chordates with advanced methods to enhance the study of fossils and inculcate research attributes.

MSc Zoology Paper I:

SMZO201 Name of

the Paper: Chordates

CO1: Understand the morphology, life stages and phylogeny of Protochordates and Chordates.

CO2: Develop the evolutionary progression of Chordates to trace the lineages in the phylogeny.

CO3: Apply the knowledge of distinctive features and adaptations of Chordates to study its ecological significance and research.

CO4: Compare the anatomical features of Chordates to explore its

morphology and systems.

CO5: Categorize the affinities and differences in various Phyla in the analysis of the different systems of Chordates

CO6: Design research work through workshops and generate curiosity about the advanced tools used in Taxonomy and career perspectives.

MSc Zoology Paper II: SMZO102

Name of the Paper: Developmental Biology I

CO1: Understand the mechanism of early development and correlate the various differences observed in the pattern of embryonic development in non-chordates.

CO2: Develop the applications of developmental biology with forensics and Integrated Pest Management (IPM).

CO3: Apply the knowledge of the process of formation of germ layers and coelom in animals to differentiate these processes between Protostomes and Deuterostomes.

CO4: Comprehend the basic concepts and aspects of embryogenesis, the role of certain genes in early development and stem cell therapy.

CO5: Analyze the diversities in reproduction and development in invertebrates and the process of regeneration in primitive animals.

CO6: Design research modules to enhance the practical implications on the development of non-chordates and pursue further higher education.

MSc Zoology Paper II: SMZO202

Name of the Paper: Developmental Biology II

CO1: Understand the concepts of reproductive systems, physiology and development in chordates. CO2: Comprehend the physiology of reproduction and induced breeding in chordates.

CO3: Apply the knowledge about the techniques in regeneration and stem cell therapy in medicine field and research arenas.

CO4: comprehend details of germ cell migration and understand the importance of

stem

cells. CO5: Create awareness about the environmental impact on development and evolution of animals.

CO6: Construct employment opportunities as an entrepreneurship and collaborate with research institutes for expertise support.

CO7: Analyze the processes of aging and senescence in animals.

MSc Zoology Paper III: SMZO103

Name of the Paper: Genetics and Evolution

CO1: Understand the knowledge of preserving endangered species by the technique of bio material banking, assisted reproductive technology and frozen zoo.

CO2: Develop an insight in most significant molecular and cell-based methods used to expand the understanding of modern Biology.

CO3: Apply the knowledge of altruism, co-evolution and the racial distribution of animals in evolutionary time scale

CO4: Analyze biological problems that impact our lives and understand similarities and differences between human and other species with respect to body form, behavior, adaptation, distribution pattern and physiology.

CO5: Construct the flow of genetic information and complex networking of genes in biological system leading to major phenotypic changes.

CO6: Design innovative techniques in gene expression and adaptation of animals as an evolutionary approach, thus promoting research principles.

MSc Zoology Paper III: SMZO203

Name of the Paper: Biochemistry and Biotechnology

CO1: Understand the fundamentals of chemical basis of life, structures, interactions, and importance of complex biomolecules and their significance in living system.

CO2: Develop the processes for harnessing the potentials of living systems for betterment of mankind.

CO3: Apply the biotechnological tools in industries, medicines, agriculture and environment.

CO4: Comprehend the regulatory mechanisms and interrelationships of various metabolic pathways in the biological systems.

CO5: Analyze the advanced techniques in Biotechnology to create awareness about the career opportunities in medical, agricultural and industrial perspectives.

CO6: Design innovative techniques in genome organization, gene expression and its control in prokaryotes and eukaryotes to inculcate research orientation.

MSc Zoology Paper IV:

SMZO104 Name of the Paper: Frontiers in Zoology

CO1: Understand the different types of biological clocks and their importance.

CO2: Develop the basic principles, applications of the major imaging and DNA barcoding techniques.

CO3: Apply the knowledge of national and international initiatives to resolve current challenges of climatic changes and environmental issues.

CO4: Analyze the health problems caused due to prolonged motion and stress on the body and inculcate remedial measures to combat psychological stress.

CO5: Create awareness about the environmental issues on climate change and global warming through Case studies to enhance sustainable development.

CO6: Construct the advanced and modern techniques in medical field to promote career opportunities and research strategies.

MScZoologyPaperIV: SMZO204

NameofthePaper:ResearchMethodology

CO1:Understandtheprinciplesofscientificresearchandmethodsofconductingscientific enquiry

CO2:Developskillssetforeffective researchcommunication,organizationandinnovativepresentationof data.

CO3:Applytheinsightofscientificcommunicationdocumentationandevaluategoodscientificjournals.

CO4:Comprehendtheexperimentationwithmodelorganismstoenhancetheunderstandingofthebasisof human diseases.

CO5:Choosecorrectstatisticaltestfortheanalysisoftheresearchdatawithappropriateevidences.CO6:Formulateresearchproblem andconceptresearchdesigntoencourage researchaptitude.

CO7:CreateawarenessaboutthedocumentsessentialfortheEthicalcommitteefromInstitutionalAnimalEthicsCommittee(IAEC) andInstitutionalBiosafety Committee(IBSC).

CO8:Designresearchpublicationsthroughworkshopsandacquireknowledgeaboutthescientificjournals.

Department of Zoology

POs: M.Sc.-II in Zoology- Animal

Physiology Students will be able to

PSO1: Understand the contribution of the different systems in the body and its adaptations in correlation with different parameters.

PSO2: Develop the multi-disciplinary approach to explain the fundamental mechanisms in the field of health sciences

PSO3: Create awareness about the recent advances in novel techniques to improve the positive impact of medicines and treatments.

PSO4: Apply the knowledge of comparative physiology in exploring the metabolism and adaptation of animal systems.

PSO5: Identify the association of physiology with other fields of biological sciences to enhance the applications in different arenas.

PSO6: Construct the modules of research strategies and initiate research methodologies with dissertation in the field of Animal Physiology.

PSO7: Understand the ethical guidelines in accordance with the framework drafted by the regulatory authorities to redefine research practices.

PSO8: Collaborate with the research institutes and industries to enrich experience in field studies, innovative techniques and career advancement.

PSO9: Develop the curiosity in pursuing professional courses with application-based studies.

PSO10: Recognize the ability to enhance the personality development, moral values communication and presentation skills.

Course Outcomes

MSc Zoology-Animal Physiology Paper I: SMZOAP301 Name of the Paper: Systems' Physiology (Invertebrates) I

CO1: Understand the knowledge about the nutritional physiology at various structural levels from membranes to systems, circulatory fluids, patterns of circulation and physiological types of hearts in invertebrates.

CO2: Apply the knowledge of discerns relationship of respiratory pigments, organization of membranes into structures like gills and trachea, mechanism of operation, patterns of respiration and their relationship to the habitat of invertebrates in ecosystem and research.

CO3: Compare the association between increasing complexity of structure of excretory systems, the metabolic pathways generating the excretory waste products and the habitat of the invertebrates.

CO4: Comprehend the molecular processes at membrane level and their significance in nutrition, food capture and processing, nutritive types and their correlation to variety of structures of nutritional apparatus in invertebrates.

CO5: Formulate research problem and concept research design to encourage research aptitude.

CO6: Create awareness about the career perspectives inculcating laboratory practices and field studies.

MSc Zoology-Animal Physiology Paper I: SMZOAP401 Name of the Paper: Systems' Physiology III

CO1: Understand the functional and operating mechanisms of various locomotory structures and organs in invertebrates.

CO2: Develop the curiosity in exploring the organizational aspects of sensory

structures in invertebrates at the molecular, membrane and organ level and their functioning as transducers in reception of sensory stimuli.

CO3: Apply the knowledge of molecular, supra-molecular structures and processes responsible for movement and locomotion in the vertebrates to analyze the different systems in Invertebrates.

CO4: Comprehend molecular, structural and functional dimensions of neurophysiology in the animal kingdom and physiology of effectors.

CO5: Design the research plan to encourage research aptitude following ethical guidelines.

CO6: Create awareness about the career opportunities in field studies, research and pursue professional courses in physiology.

MSc Zoology-Animal Physiology Paper II:

SMZOAP302 Name of the Paper: Systems' Physiology (Vertebrates) II

CO1: Understand the role of microbes in digestion, balanced diet and disorders of digestive function which are applied aspects of nutrition, the study of which is an important take away for learners, which will help them in healthcare.

CO2: Develop the practical implications on evolutionary adaptations of the circulatory system and understand the control and coordination of circulation in the vertebrates.

CO3: Apply the knowledge of the variations in metabolic waste products and their relationship to habitat, metabolic pathways of nitrogen metabolism in the vertebrates, role of renal functions in electrolyte balance, blood pressure and acid-base balance as a multi-disciplinary approach.

CO4: Comprehend the comparative and specialized aspects of nutritional type, digestive systems, digestion as a metabolic process and neuro-hormonal regulation of nutrition.

CO5: Compare the changes in physiology as an adaptive process in transition of vertebrates between aquatic and terrestrial mode of life.

CO6: Identify the applied aspects of circulatory system in the context of human health and health effects of compromised kidney functions.

CO7: Recall the clinical significance of simple diagnostic tests for estimation of blood parameters.

CO8: Design the research proposal pertaining to the clinical research with applied physiology to develop career advancement and research aptitude.

MSc Zoology-Animal Physiology Paper II:

SMZOAP402 Name of the Paper: Systems'

Physiology IV

CO1: Understand various molecular and structural aspects of invertebrate endocrine systems, the effect of endocrine secretion on various life processes and development as well as the mechanism of action of hormones in invertebrates.

CO2: Develop the practical suggestions on the causative, temporal, spatial, energetic and metabolic aspects of animal migration and its adaptive value to the migrating animal species.

CO3: Apply the knowledge about the various types of rhythms encountered in biological systems and their manifestations through various activities.

CO4: Comprehend various types of endocrine organs, glands, types of their secretions, neurohormones; and effects of these hormones on life processes including reproduction and development.

CO5: Identify the Endocrine disorders due to alteration in receptor number and functions.

CO6: Design the research plan pertaining to the Endocrine physiology to emphasize on career aspects in various sectors.

MSc Zoology-Animal Physiology Paper III:

SMZOAP303 Name of the Paper: Biochemical adaptation and Instrumentation

CO1: Understand the metabolic strategies and physiological adaptations to withstand environmental stress in the form of ambient oxygen availability and environmental radiation.

CO2: Develop the principles and procedures necessary to prepare samples for physiological studies and learn experientially through observing demonstration or hands on experience of instruments.

CO3: Apply the knowledge of metabolic strategies and physiological adaptations to withstand stress in the form of water, temperature and pressure as environmental factors in research.

CO4: Construct the protocols necessary to operate instruments for estimations and analyses of samples for physiological studies and learn experientially through observing demonstration or hands on experience of analytical instruments.

CO5: Recall the concepts of homeostasis to understand environmental stress and physiological adaptations to withstand the stress.

CO6: Design the research plan pertaining to the physiology in correlation with the environment to benefit the society and develop career opportunities.

MSc Zoology-Animal Physiology Paper III:

SMZOAP403 Name of the Paper: Recent Trends in Physiology

CO1: Understand the physiological aspects of stem cells and their functions in homeostasis of tissues, embryonic and somatic stem cells, cancer stem cells and stem cell therapy.

CO2: Develop the steps involved in discovery and identification of new potential therapeutic molecules using combination of computational and experimental processing drug development. CO3: Apply the types of clinical trials, designing of clinical trials, ethics in clinical trials in healthcare.

CO4: Analyze the drug designing and modelling in clinical research and follow ethical guidelines.

deline stop to promote quality assurance of the product.

CO5: Comprehend the monitoring and regulatory affairs with defined guidelines used in clinical trials.

CO6: Construct a research design to develop novel products in the field of therapeutics to explore career opportunities in industries.

MSc Zoology-Animal Physiology Paper IV:

SMZOAP304 Name of the Paper: Applied

Physiology

CO1: Understand the process of cellular signaling and immune response and defense mechanisms in human systems.

CO2: Develop the modifications in the molecular processes involved in cellular signaling, transport of proteins from their site of synthesis to the site of their action.

CO3: Apply the knowledge of various molecular defense mechanisms and immune response in healthcare in terms of therapeutics and organ transplantation.

CO4: Analyze the factors responsible for apoptosis, variations in cell cycle and their role in development of cancer.

CO5: Comprehend the effect of exercise on various physiological parameters from molecular to systems level.

CO6: Construct research strategies to implement novel techniques in medicine field and inculcate employment perspectives.

MSc Zoology-Animal Physiology Paper IV: SMZOAP404

Name of the Paper: Instrumentation and Presentation of Scientific data

CO1: Understand the methods for operation of instruments with good practices, data analysis, presentation of scientific data

CO2: Develop the different techniques for presenting a particular scientific data with conceptual and instrumentation in different fields of Zoology.

CO3: Apply the current state of knowledge in advanced scientific research to explore new

nsights in Zoology.

CO4: Design research dissertation to generate experience for further higher education and hands-on-training pertaining to the advanced tools and techniques in research methodologies.

CO5: Analyze scientific occurrence with an investigation or to solve a problem with an invention in research arenas.

CO6: Acquire knowledge about the good laboratory practices in students and train them about scientific handling of important instruments.

CO7: Apply scientific knowledge and principles in enriching the innovative strategies and explore the unique ideas with appropriate norms.

CO8: Recognize the essential components to modify the self-reflective learning and ability to work collaboratively in groups for acquiring facts and enhance the personality development skills.

Department of Zoology

POs: M.Sc.-II in Zoology- Oceanography

Students will be able to

PSO1: Understand the different features of the ocean, its interaction with the environment, recent advances and future perspectives.

PSO2: Develop the correlation of a range of parameters with the ocean to explore the behavioral patterns of flora and fauna

PSO3: Create awareness about the anthropogenic activities to draft new policies implementing remedial measures for the benefit of the society.

PSO4: Apply the knowledge of the rapid development in medicinal application of the flora and fauna in discovering novel techniques.

PSO5: Analyze the threats and human influence on marine biota to eradicate the exploitation of the resources from the ocean and promote sustainable development.

PSO6: Construct the research design and methodologies to inculcate dissertation work and discoveries in the field of Oceanography.

PSO7: Collaborate with the research institutes and industries to enhance the experience in field studies, innovative techniques and career development.

PSO8: Identify the hazards and its impact on the flora and fauna to conserve the ecosystem, thus preserving its integrity.

PSO9: Develop the interest in pursuing technical and scientific professional courses and progress in career and entrepreneurship with skill development.

PSO10: Understand the ethics and policies drafted by the regulatory authorities to redefine the research practices and inculcate moral values.

Course Outcomes

**MSc Zoology-Oceanography Paper I:
SMZOOC301 Name of the Paper: Oceanography**

CO1: understand the history, concepts of general, physical, chemical and biological Oceanography and its recent advancements.

CO2: Develop the current techniques in Satellite imagery and Remote Sensing to explore the contribution of Oceanography in research perspectives.

CO3: Apply the knowledge about the Oceanographic Expeditions, Oceanographic sampling techniques in the study of oceans and research.

CO4: Comprehend the life under the sea and their interactions with marine environment.

CO5: Create awareness about the chemical properties of sea water and their significance.

CO6: Analyze the factors responsible for anthropogenic activities in the ocean and remedial measures to reduce the pollutants.

CO7: Comprehend the human impact on Marine biota to focus upon the interrelationships between different organisms.

CO8: Design a research project to evaluate the current issues in marine ecosystem for the benefit of the society and career development.

MSc Zoology-Oceanography Paper I:

SMZOOC401 Name of

the Paper: Capture Fisheries

CO1: Understand the dimension and magnitude of inland fisheries potential and the specific estuarine resource of India.

CO2: Develop the principles of sustainability for conservation and long-term sustenance of the capture fisheries in the society and research studies.

CO3: Apply the knowledge about the crafts and gears, food and feeding used in fisheries of India in rural sectors and improvising with the advanced equipment.

CO4: Comprehend the identification and distinctive features of commercially important fisheries in India and its recent developments in sustainable yield.

CO5: Identify the different factors affecting the fish population and problems of overfishing.

CO6: Design the research proposal in accordance with population dynamics and innovative techniques used in fisheries.

CO7: Create awareness about the conservation strategies and inculcate the concept of

sustainable development

CO7: Collaborate with different fishery research institutes to update the recent advances in fisheries and generate employment opportunities in various sectors.

**MSc Zoology-Oceanography Paper I:
SMZOOC302 Name of the Paper: Fresh
Water Aquaculture**

CO1: Understand the advanced technologies in aquaculture and setting of fresh water aquarium, behavioral pattern, feeding habits, live food organisms and supplementary diet for ornamental fishes

CO2: Develop the culture techniques in correlation with different systems in Aquaculture.

CO3: Apply the knowledge about the aquaculture practices, identification, maintenance of ornamental fishes to promote sustainable development with integrated culture systems.

CO4: Comprehend the concept of sexual dimorphism in Major carps, their maturity and spawning as part of its lifecycle, induced breeding, hatchery and rearing of the prawn.

CO5: Construct the flowchart of the hatchery design and operation, packaging and transport of the fish seed to develop skills in aquaculture and research.

CO6: Comprehend the lifecycle, breeding, hatchery management and rearing of Giant Fresh water Prawn to emphasize on the development and culture practices of Crustacea.

CO7: Design research modules through organization of skill development programs and workshop in collaboration with contribution of eminent researchers in the field of aquaculture.

**MSc Zoology-
Oceanography Paper I: SMZOOC402 Name of the Paper:
Brackish and Marine Water Aquaculture**

CO1: Understand the breeding, raising and harvesting of shellfish and finfish, culturing techniques of pearl oysters, and aquatic plants, farm engineering equipped for fish culture.

CO2: Develop the knowledge about the diseases in finfish and shellfish, not only of the potential pathogens, but also of the environmental constraints and specialist

adaptations, which govern the ectothermic, aqueous, existence of organisms.

CO3: Apply innovative techniques in generating environmentally responsible source of food and commercial products, to help the farmer population in rural areas.

CO4: Create awareness about the healthier habitats, and novel strategies to rebuild stocks of threatened or endangered species.

CO5: Assess the employment and economic advantages, as well as the possibility of sustaining species in correlation with the controlled environment.

CO6: Design the layout of the construction of different aqua farms with the equipment essential for aeration and maintain water quality.

CO7: Formulate research plan in brackish water and marine aquaculture with innovative culturing techniques for the benefit of the society.

CO8: Analyze the causative agents, symptoms and control of some infectious diseases of fish to generate positive impact on environmental and disease management for healthy fish stocks.

MSc Zoology-Oceanography Paper I:

SMZOOC303 Name of the Paper: Fish Processing

Technology

CO1: Understand packaging materials, compression system, refrigerants, freezers, freezing, canning of fish with additional knowledge of additives and instrumentation used in fish processing industry.

CO2: Develop the strategies in handling of fish hygienically after sorting and grading the fresh fish.

CO3: Apply the recent methods in fish processing industry and quality control in accordance with the norms and guidelines drafted by the relevant authorities.

CO4: Compare the different techniques utilized in traditional and modern fish processing units.

CO5: Identify various equipment used in the fish processing industry to understand its significance and emphasize on organoleptic tests.

CO6: Comprehend the Hazard Analysis Critical Control Point (HACCP), advanced technology

gies applied in thermal and non-thermal processing of fish products.

CO7: Construct the flowchart of steps in fish processing units and inculcate research strategies to generate innovative methodologies with quality enhanced fish products.

**MSc Zoology-Oceanography Paper I:
SMZOOC403 Name of the Paper: Industrial
Fishery**

CO1: Understand the concept of packaging machinery, systems, testing and regulations of packaging, thus helping in job placement in fish processing or export unit.

CO2: Develop the competence for making fish by-products leading to self-employment.

CO3: Apply the entrepreneurship and marketing skills in production of value-added fish by-products and novel products from seaweeds.

CO4: Analyze the different fish products and its by-products, utilization of fishery wastes and their nutritional value to supply resources with eco-friendly approach.

CO5: Categorize the packaging methods of fish products and by-products to emphasize on advanced techniques for quality control and quality assurance.

CO6: Create awareness about the usage of biodegradable plastics and recycling, eco-friendly products to promote sustainable development in the society.

CO7: Identify the strategies of fish marketing organization, supply chains and E-marketing.

CO7: Comprehend the knowledge of various organizations and government-initiated schemes for entrepreneurship and market research.

**MSc Zoology-Oceanography Paper I:
SMZOOC304 Name of the Paper: Fin Fish and Shell
Fish Biology**

CO1: Understand the basic fish anatomy, morphological characters of fin fish and shell fish and the taxonomical tools used in field studies and technical studies.

CO2: Develop the knowledge on the types of locomotion, significance of fluorescent and advantages of migration of fishes in different ecosystem and research.

CO3: Apply the knowledge about the innovative taxonomical tools with web resources in the identification of finfish and shellfish.

CO4: Comprehend the conceptual and experimental practices about biology and importance of the mud crab.

CO5: Compare the different mechanisms involved in digestive, circulatory, respiratory, nervous, sensory, excretory and osmoregulatory systems in fishes and mud crab.

CO6: Design research plan to implement advanced techniques in morphometric analysis of finfish and shellfish, adaptations in mud crab to develop research aptitude with career opportunities.

MSc Zoology-Oceanography Paper I: SMZOOC404

Name of the Paper: Instrumentation and Scientific Presentation

CO1: Understand the methods for operation of instruments with good practices, data analysis, presentation of scientific data

CO2: Develop the different techniques for presenting a particular scientific data with conceptual and instrumentation in different fields of Zoology.

CO3: Apply the current state of knowledge in advanced scientific research to explore new insights in Zoology.

CO4: Design research dissertation to generate experience for further higher education and hands-on-training pertaining to the advanced tools and techniques in research methodologies.

CO5: Analyze a scientific occurrence with an investigation or to solve a problem with an invention in research arenas.

CO6: Acquire knowledge about the good laboratory practices in students and train them about scientific handling of important instruments.

CO7: Apply scientific knowledge and principles in enriching the innovative strategies and explore the unique ideas with appropriate norms.

CO8: Recognize the essential components to modify the self-reflective learning and ability to work collaboratively in groups for acquiring facts and enhance the personality development skills.

BATCHLER OF ACCOUNTS & FINANCE

Semester I

Core Course (CC)

Commerce (Business Environment) (AFECO101)

CO1: Students will understand the concept of a business and will be able to analyze the environment that surrounds a business.

CO2: Students will understand what entrepreneurship is , how to do business ethically and know about consumerism.

CO3: Students will learn about the importance of responsibilities of business towards society.

CO4: Students will be exposed to strategies of business going global, its importance and implications.

BUSINESS ECONOMICS 1 (AFECO102)

C01 :It will help students analyse how an economy functions, combining practical & theoretical knowledge of Economics.

C02:This course, which is a field in applied economics, will help them analyse cost benefit theories, deadweight loss, economies of scale.

C03:It will help them to focus on the economic issues related to business organization and management

Ability Enhancement course (AEC)

Business Communication I (Course Code : AFBC103)

Course Outcomes:

After the completion of the course, students will able to

CO1 Develop competence in using various registers and styles of English used in the business world.

CO2 Gain competence in-group communication.

CO3 Gain command over formal correspondence.

CO4 Improve their soft skills

CO5 Enhance their Listening, Speaking, Reading and Writing skills to meet the challenges of the world.

Skill Enhancement Course (SEC)

Foundation Course – I (AFFC104)

CO1 : The students will be able to classify different cultural groups in India and factors binding them into a composite culture; identify areas where development policies need to be addressed.

CO2 : The students will be able to recognize causes leading to gender disparity, problems of the elderly, people with disabilities and suggest solutions for the same.

CO3 : The students will be able to explain the roots of conflicts between diverse social and regional groups, their impact, and propose solutions.

CO4 : The students will acquire basic knowledge of the features, structure of the Indian constitution, the fundamental duties of the citizens, and political processes in India.

CO5 : Disseminate knowledge about the multicultural nature of Indian society and the Indian political system, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and be in a position to evaluate the value of information acquired.

Elective Courses (EC)

Financial Accounting – I (AFCA105)

After the completion of the course, students will able to

C01-Know about the Accounting Standards & IFRS

C02-Prepare Final Accounts of Manufacturer.

C03- To understand Allocation of Incomes & Expenses to each department on the Basis of Allocation

C04-Know about the accounting treatment of Hire Purchase Agreement.

Cost Accounting - I (Introduction and Element of Cost)-AFCA106

After the completion of the course, students will able to

CO1 Know about the concepts of cost accounting

CO2 Understand the calculations of material required for making the product

CO3 Know the calculation of wages of workers

CO4 Know the calculation of overheads required for making the product

Financial Management - I (Introduction to Financial Management - 1) - AFFM107

CO1: To enable the students to Learn about investment decisions and financial planning.

CO2: To Help students to Ensure safety of investments by proper planning relating to various finance related activities.

CO3: To make them aware about optimum fund utilisation.

CO4: To help the students in understanding Know Introduction of financial management and its objectives.

CO5: To understand Introduction , measurement and practical application of cost of capital.

Semester II

Core Courses (CC)

Business Law (AFBM201)

After the completion of the course, students will able to

C01-Understand basic elements of valid contract and terms associated with contract.

C02-Rights and duties of seller and buyer and action that can be taken in case breach of contract by any one of them

C03- Have the knowledge of Negotiable instruments and legal action against dishonour of cheque.

C04-Understand the rights of consumers against unfair trade practices followed by traders and process of filing complaint in redressed forum against such unfair trade practice.

Business Mathematics (AFBM202)

After the completion of the course, students will able to

CO1 Use functions of Ratio, Proportion & Percentages

CO2 Know the Properties & Use functions of Profits & Loss

CO3 Use functions of Interest.

CO4 Valuation of Securities on the basis of Profit or Loss

Ability Enhancement Course (AEC) :

Business Communication II (Course Code : AFBC203)

After the completion of the course, students will able to

CO1 Develop competence in using various registers and styles of English used in the business world

CO2 Gain competence in-group communication.

CO3 Gain command over formal correspondence

CO4 Improve their soft skills

CO5 Enhance their Listening, Speaking, Reading and Writing skills to meet the challenges of the world

Skill Enhancement Course (SEC)

FOUNDATION COURSE-II -(AFBC203)

After the completion of the course, students will able to-

C01-Explain different aspects of liberalization, privatization and globalization and also comment on the social, cultural and economic impact of globalization in India.

C02-Explain different aspects of liberalization, privatization and globalization and also comment on social, cultural and economic impact of globalization in India

C03-Comprehend the human-environment interrelationship; and utilize the UN sustainable development goals to form a plan for integrated sustainable development in their near and distant environment.

C04-Identify situations that create stress, and conflict and chart out strategies to reduce the same so as to create harmony within the self and society.

C05-Disseminate knowledge about the impact of globalization, evolution of human rights, sustainable development goals, and management of stress and conflicts, comprehend and express lessons learned in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learned, establish a connect with present situations and be in a position to evaluate the value of information acquired.

Elective Courses:

Financial Accounting – II (Special Accounting Areas) (AFFA205-)

After the completion of the course, students will able to

CO 1- Convert incomplete records into complete records.

CO 2- Know about concepts related to consignment.

CO 3- Know about how branches and head offices maintain their books of accounts.

CO 4- Calculate the amount of claims in case of fire insurance.

Auditing (Introduction and Planning) (AFAUD206)

After the completion of the course, students will able to

CO 1 - Know about the errors & frauds in accounting & various types of audit.

CO 2 - Know what procedure to be followed while doing auditing & how to prepare documents on auditing work.

CO 3 - Know about various techniques of auditing & how it's implemented.

CO 4 - Know the Uses of internal audit.

Innovative Financial Services - AFIFS207

CO1: After the completion of the course students will be able to know the introduction of various fund and fee based financial services factoring and the process of Bill discounting.

CO2: It will also help to understand the concept related to issue management intermediaries Stock Broking and securitization.

CO3: This syllabus will help students to understand the difference between lease and hire purchase concept of housing finance and venture capital.

CO4: Students will gain knowledge about consumer finance, plastic money and credit rating agencies.

Semester III

Business Law - II (Business Regulatory Framework) (AFLAW301)

After the completion of the course, students will able to -

CO 1 - Understand legal aspects of partnership..

CO 2 - Understand legal aspects of limited liability partnership.

CO 3 - Understand regulation of working conditions for workers in factories

CO 4 - Gain insight about legal provisions for calculation of gratuity for workers.

BUSINESS ECONOMICS -2 (AFECO302)

CO1:It will help students analyse how macroeconomic indicators affect the economy.

CO2:This course, which is a field in applied economics, will help them evaluating the overall performance of the economy in terms of national income.

CO3:It will help them to focus on the economic issues related to business organization and management.

Ability Enhancement Course (AEC) :

Information Technology in Accountancy-I (Course Code : AFIT303)

After the completion of the course, students will able to

CO1 Understand the input output devices and their working.

CO2 Recognize when to use each of the Microsoft Office Programs to create professional and academic documents. Apply working knowledge of paragraph formatting, macros and mail merge on word documents.

CO3 Understand the concept of data communication, its modes and communication channels and email.

CO4 Use the internet for electronic data exchange, cyber laws

CO5 Apply web-based tools for e-commerce, security, logistics and support activities.

Skill Enhancement Course (SEC)

Foundation Course III (Financial Market Operations) - AFFC304

CO1: After the completion of the course, students will able to Understand what is Bank, NBFCs, investment, Inflation, Interest

CO2: After the completion of the course, students will be able to Understand Financial Market, Capital Market, Money Market.

CO3: After the completion of the course, students will be able to Understand instruments of financial markets and how they work.

CO4: After the completion of the course, students will be able to Understand Financial services and they are rendered.

Elective courses(EC)

Financial Accounting - III (Special Accounting Areas) – III (AFFA305)

After the completion of the course, students will able to -

CO 1 -Know the accounting treatments after Admission or Retirement / Death of a Partner during the year

CO 2 -Know how to distribute cash between partners after dissolution by excess capital method

CO 3 -Know the accounting treatments after Amalgamation of Firms in the books of Purchaser & Vendor

CO 4 - Know the accounting treatments after Converting into a limited company.

CO 5 - Computation and treatment of Foreign Currency transactions

COST ACCOUNTING II (METHODS OF COSTING)-(AFCA306)

After the completion of the course, students will able to

CO1 -Differentiating the cost in different heads and preparing a cost sheet.

CO2 -Know the reasons for difference in profit in cost & financial statement & reconcile the profits.

CO3 - Prepare cost for contract.

CO4 - Know about the process costing system.

Taxation-I (Direct tax-Paper I)-AFTAX307

After the completion of the course, students will be able to

CO1 Gain knowledge on Basic concepts in direct tax

CO2 Classification of income as per the heads indicated under income tax laws

CO3 An insight into how savings and investment in proper schemes will reduce their tax liability.

CO4 Finally how to compute the total Income of Individuals and helps them to file returns

Semester IV

Business Law - III (Company Law) (AFLAW401)

After completing the course, the students will be able to

CO 1 - Understand meaning of company in legal framework and difference between different types of companies.

CO 2 - Understand procedure for registration of companies.

CO 3 - Know the importance of prospectus, its types and legal implications

CO 4 - Gain insight about raising capital through private placement process

CO 5 - Understand basic concepts pertaining to companies in legal framework.

RESEARCH METHODOLOGY IN ACCOUNTING AND FINANCE (AFRM402)

C01: Demonstrate knowledge of research processes

C02: Identify, compare, and explain the key elements of research project.

C03: Make different hypothesis and prove them with research methodology techniques.

C04: Will be able to critically assess research methods pertinent to technology innovation research.

C05 : Know importance of research in social sciences.

Ability Enhancement Course (AEC) :

Information Technology in Accountancy - II (Course Code : AFIT403)

After the completion of the course, students will be able to

CO1 Use and work on accounting software TALLY.

CO2 Apply the concept of Business Process management in their respective areas

CO3 Monitor the existing system and apply MIS to make it a fruitful system

CO4 Perform IT auditing and understand the relevance of cyber laws

Skill Enhancement Course (SEC) :

FC - IV - Introduction to Management (AFFC404)

CO1. It gives awareness to students about management and principles of management..

CO2. Students can learn various principles of management theories and practice to implement in organization.

CO3. Enhance students to get maximum results from the available resources.

CO4. It will give knowledge to student overall functions of Management Planning, Organizing,. Coordination, Direction and how to take proper decisions of management in an organization.

Elective Courses: (EC)

Financial Accounting - IV (Special Accounting Areas) (AFFA405)

After the completion of the course, students will be able to-

C01-Know about the accounting of companies

C02-Record the transactions relating to redemption.

C03-Prepare & ascertain profit prior to incorporation.

C04-Know to prepare foreign branches as per AS 11.

Management Accounting (Introduction to Management Accounting)-AFMA406

After the completion of the course, students will be able to

CO1 - Understand management accounting framework.

CO2 - Learn vertical format & make different analysis

CO3 - Make decisions and suggest on the basis of Ratio analysis

CO4 - Learn flow of cash by different activities

CO5 - Estimate working capital requirement

Taxation II (Direct tax -Paper II) -AFTAX407

After the completion of the course, students will able to

CO1 Advance knowledge on clubbing of Income

CO2 Set of losses during the year from one head of income with other head or carry forward for future year

CO3 Computation of total income for Individuals, HUF and partnership firm and payment of tax as per Assessment year

CO4 Complete knowledge of TDS, Advance tax, Interest for late payment and Penalty.

CO5 Avoidance of double taxation for residence who have earned income outside India and in India

CO6 Finally learnt to file online and offline returns for Individual using ITR 1

Semester V

Core Courses (CC)

Financial Accounting – V -(AFFA501)

After the completion of the course, students will able to-

CO-1-Recording the transactions for underwriting.

CO-2-Understanding company's provisions of buy back.

CO-3-Preparation of accounts of internal & external reconstruction.

CO-4-Knowing the process of liquidation of companies.

Financial Accounting – VI (AFFA502)

After the completion of the course, students will able to-

CO1- Finalize the accounts of Banking companies which are very different from trading companies.

CO-2 Finalize the accounts of Insurance companies which adhere to IRD rules.

CO-3 Scope of their knowledge is extended from sole proprietary concerns, partnership, trading companies and now to Banking and insurance companies.

CO-4 They also gain knowledge on conversion of partnership to LLP and finalizing accounts as per LLP Act.

CO-5 With this course, their Job scope as accountants is expanded to any kind of corporate or trading companies or banking or insurance.

Elective Courses:

Cost Accounting III- (AFCA503)

After the completion of the course, students will able to

CO1- Know basis to make comparison

CO2- Pass entries in Integrated and in non-integrated cost accounting system

CO3- Find cost in service Industries

CO4- Find cost in process costing where the product is not completed

Financial Management II - (AFFM504)

CO1:After the completion of the course, students will be able to know Strategic financial management, its needs and importance and the role of financial manager.

CO2:After the completion of the course, students will be able to understand various techniques of capital budgeting and its practical application.

CO3:After the completion of the course, students will be able to understand capital structure and various theories on different policies.

CO4:After the completion of the course, students will be able to know what Mutual Fund is, how a fund is selected based on a NAV and valuation of Bond.

CO5: After the completion of the course, students will be able to learn how to choose the best Credit Policy by the company.

Taxation III (Indirect tax I)-(AFTAX505)

After the completion of the course, students will able to

CO1 Students should be able to understand the applicability of GST provisions in various circumstances

CO2 Students should be able to determine the eligibility of registration under GST laws

CO3 Students should be able to determine the place of supply under various situations

CO4 Students should be able to determine the time of supply under various situations

CO5 Students should be able to compute the GST liability applying the rules of valuation and set off mechanism

CO6 Students should be able to understand the various procedural aspects including interest and late fees provisions under GST

INTERNATIONAL FINANCE (AFIF506)

After the completion of the course, students will able to

C01-Explain the concepts of finance and players in it.

C02-Will be in a position to explain the recent developments in International finance.

C03-Will be able to analyze various risk involved in trade & exchange

C04-Able to analyze changing trends of banking & finance at global level

Semester VI

Financial Accounting – VII-(AFFA601)

After the completion of the course, students will able to-

C01-Understand AS 19.

C02-Preparation of accounting of cooperative societies & consumer societies

C03-Maintaining records of investment accounting.

C04-Understand the concepts of AS 23 & AS 17.

C05-To do comparison between AS& IFRS.

Ability Enhancement Course (AEC):

Project Work (AFPW602)

After the completion of the course, students will able to

CO 1- Creating awareness among the learners about the methodology of formulation & preparation of the project work

CO 2- Understand Various Issues and Increase Public Awareness.

CO 3- Develop knowledge in their specialized field.

Elective Courses:

Cost Accounting IV- (AFCA603)

After the completion of the course, students will be able to

CO1- Make different budgets.

CO2- Understand marginal costing and be able to make break even analysis.

CO3- Take decisions about expansion, closure, exploration, Sales Mix.

CO4- Compare standard and actual cost.

Financial Management - III (AFFM604)

After the completion of the course, students will be able to-

CO 1- Know about the various business valuation methods.

CO 2- Know about various business modes of acquiring the firms such as mergers & acquisitions.

CO 3- Understand the concepts of corporate restructuring.

CO 4- Know about techniques of leasing and hire purchasing & decision making of the same.

CO-5 Understand the concepts of working capital financing and tandon committee norms.

Taxation IV (Indirect taxes-II)-(AFTAX605)

After the completion of the course, students will be able to-

CO1 They can calculate GST payments and pay taxes in the prescribed time

CO2 Knowledge of Audit of Assessment as per GST Act

CO3 Along with taxes their knowledge on customs that is how to import goods and its formalities

CO4 Payments of duties under customs and its calculation are also learnt at the end of the course

Security Analysis and Portfolio Management: (AFSPM606)

CO1: After the completion of the course students will be able to know portfolio selection and feasible set of portfolio.

CO2: After the completion of the course students will be able to do portfolio revision if required and will be able to understand economic analysis and dusty analysis and company analysis.

CO3: It will also help the students to do technical analysis through various charts and will help in understanding the CAPM model in detail.

Department of Mass Media | Academic Year 2021-2022

Program Outcome of B. A. in Multimedia & Mass Communication (BAMMC):

PO1: To provide students with a firm grounding in studies related to various mass media through understanding of society's diverse cultural foundations, and stimulate social responsibility.

PO2: To develop critical thinking, creativity and personal integrity. To give the students an opportunity to combine theoretical curriculum with practical applications through detailed research, lucid writing skills, oral presentation skills and mastery of various mass communications media in a global information age.

PO3: To offer the students additional avenues in the job market, by giving them an opportunity of specializing in a variety of analytical and practical options in the communication industry.

Program Specific Outcome of B. A. in Multimedia & Mass Communication (BAMMC):

PSO1: This program will equip the learners with fundamental knowledge of Advertising and Journalism in Mass Media.

PSO2: The specialization major prepares students for a wide variety of careers in business and industry, advertising, journalism, reporting, editing, news media management, public relations, media planning, media buying, digital media advertising and advanced study in these areas.

PSO3: Learners can excel in their choice of specialization and excel in writing a variety of mass media products, including advertising copy, news report, editorials, letters to editor, press release storyboard writing and scripting for ads etc.

PSO4: Students will be able to create, and design emerging media products, including blogs, digital audio, digital video, social media, digital photography, websites and multimedia.

The learner will have acquired competency and skills for increased employability in the media sector and be adequately motivated to contribute to the development of society.

Semester - I (FYBAMMC)

Course Outcome of Effective Communication - I:

CO1: To make the students aware of functional and operational use of language in media.

CO2: To equip or enhance students with structural and analytical reading, writing and thinking skills.

CO3: To introduce key concepts of communications.

Course Outcome of Foundation Course - I:

CO1: Recall the multicultural nature of Indian society and study its demographic features.

CO2: Develop basic knowledge about issues related to gender disparities, problems of the elderly and people with disabilities.

CO3: Identify challenges and solutions related to disparities among social and religious groups.

CO4: Gain an overview of the Indian Constitution and political processes in India.

CO5: Apply the knowledge gained in their immediate and distant environment.

Course Outcome of Visual Communication:

CO1: To provide students with tools that would help them visualize and communicate.

CO2: Understanding Visual communication as part of Mass Communication.

CO3: To acquire basic knowledge to be able to carry out a project in the field of visual communication.

CO4: To acquire basic knowledge in theories and languages of Visual Communication

CO5: The ability to understand and analyze visual communication from a critical perspective.

Course Outcome of Fundamentals of Mass Communication:

CO1: To introduce students to the history, evolution and the development of Mass Communication in the world with special reference to India.

CO2: To study the evolution of Mass Media as an important social institution.

CO3: To understand the development of Mass Communication models

CO4: To develop a critical understanding of Mass Media.

CO5: To understand the concept of New Media and Media Convergence and its implications.

Course Outcome of Current Affairs:

CO1: To provide learners with an overview on current developments in various fields.

CO2: To generate interest among the learners about burning issues covered in the media

CO3: To equip them with a basic understanding of politics, economics, environment and technology so that students can grasp the relevance of related news.

Course Outcome of History of Media:

CO1: To enable the learner to understand the major developments in media history.

CO2: To understand the history and role of professionals in shaping communications.

CO3: To understand the values that shaped and continue to influence Indian mass Media.

CO4: Learners will develop the ability to think and analyze the media.

CO5: To sharpen the reading, writing, speaking, and listening skills that will help the students to understand the development of Media

Semester - II (FYBAMMC)

Course Outcome of Effective Communication - II:

CO1: To make the students aware of functional and operational use of language in Media industry.

CO2: To equip or enhance students with structural and analytical reading, writing and thinking skills.

CO3: To introduce advanced concepts of communications.

Course Outcome of Foundation Course - II:

CO1: Describe the concept, merits, and demerits of liberalization, privatization, and globalization; and explain the impact of globalization on culture, infrastructure, and economic sectors.

CO2: Explain the concept of human rights, trace its evolution and study the work of human rights activists.

CO3: Grasp the relationship between human beings and environment, define sustainable development and identify its applicability within the framework of United Nations goals of sustainable development.

CO4: Comprehend the terms stress and conflict within an individual and society; identify their causes, impact, and learn strategies to handle them successfully.

CO5: Apply the knowledge they have gained in their immediate and distant environment.

Course Outcome of Content Writing:

CO1: To provide students with tools that would help them communicate effectively.

CO2: Understanding crisp writing as part of Mass Communication

CO3: The ability to draw the essence of situations and develop clarity of thought.

Course Outcome of Introduction to Advertising:

CO1: To provide the students with basic understanding of advertising, growth, importance and types.

CO2: To understand effective advertising campaigns, tools, models etc.

CO3: To comprehend the role of advertising , various departments, careers and creativity

CO4: To provide students with various advertising trends, and future

Course Outcome of Introduction to Journalism:

CO1: To help media students to acquaint themselves with an influential medium of journalism that holds the key to opinion formation & to create awareness.

CO2: To learn effective news writing techniques, tools, etc.

CO3: To comprehend the role of news media organisations , various departments, careers and beats.

Course Outcome of Media Gender & Culture:

CO1: To discuss the significance of culture and the media industry

CO2: To understand the association between the media, gender, and culture in the society.

CO3: To stress the changing perspectives of media, gender, and culture in the globalized era.

Semester - III (SYBAMMC)

Course Outcome of Theatre & Mass Communication - I:

CO1: Individual and team understanding of theatrical arts.

CO2: Taking ownership of space, time, story-telling, characterization and kinesthetics.

CO3: Shaping young students' minds through expression of their perception, creating awareness of their role and place in society, their responsibilities and possibilities.

Course Outcome of Corporate Communication & Public Relations:

CO1: To provide the students with basic understanding of the concepts of corporate communication and public relations.

CO2: To introduce the various elements of corporate communication and consider their roles in managing media organizations.

CO3: To examine how various elements of corporate communication must be coordinated to communicate effectively in today's competitive world.

CO4: To develop critical understanding of the different practices associated with corporate communication with the latest trends and social media tools.

Course Outcome of Media Studies:

CO1: To provide an understanding of media theories

CO2: To understand the relationship of media with culture and society

CO3: To understand Media Studies in the context of trends in Global Media

Course Outcome of Introduction to Photography:

CO1: To introduce to the media learner the ability of image into effective communication.

CO2: To help the learner understand that media photography is a language of visual communication and is far beyond just point and shoot fun moments.

CO3: To practice how a picture speaks a thousand words.

CO4: To develop the base of visualization among learners in using pictures in practical projects.

CO5: To help learners work on a given theme or the subject into making a relevant picture or photo feature.

Course Outcome of Film Communication - I:

CO1: To inculcate liking and understanding of good cinema.

CO2: To make students aware with a brief history of movies; the major cinema movements.

CO3: Understanding the power of visuals and sound and the ability to make use of them in effective communication.

CO4: Insight into film techniques and aesthetics

Course Outcome of Computers and Multimedia - I:

CO1: To help learners become media industry-ready. This will help learners to be aware of the minimum requirement of the software when stepping out in the industry.

CO2: To introduce the media software to make the learners understand what goes behind the scene and help them choose their stream.

CO3: To prepare learners skilled enough for independence during project papers in TY sem VI.

CO4: To help learners work on small-scale projects during the academic period.

Semester - IV (SYBAMMC)

Course Outcome of Theatre & Mass Communication - II:

CO1: Direction and the works, developing an eye for details

CO2: Deeper understanding of theatre and how it has evolved to create human connections

CO3: Understanding the role theatre plays as a medium of mass communication in development of society

Course Outcome of Writing & Editing for Media:

CO1: Provide the ability to understand writing styles that fit various media platforms.

CO2: It would help the learner acquire information-gathering skills and techniques.

CO3: On completion of this course, students will be able to understand similarities and differences in writing for all forms of media including the internet and digital.

CO4: The learner will gather knowledge of different news and copy formats along with appropriate style-sheets and layouts.

CO5: The learner will imbibe the importance of writing clearly, precisely, and accurately

for different types of audiences

CO6: Provide basic proficiency in proofreading and editing.

Course Outcome of Media Laws & Ethics:

CO1: To provide the learners with an understanding of laws that impact the media.

CO2: To sensitize them towards the social and ethical responsibility of the media.

Course Outcome of Mass Media Research:

CO1: To introduce students to debates in Research approaches and equip them with tools to carry on research

CO2: To understand the scope and techniques of media research, their utility and limitations

Course Outcome of Film Communication - II:

CO1: Awareness of cinema of different regions.

CO2: Understand the contribution of cinema in society.

CO3: How to make technically and grammatically good films.

CO4: From making to marketing of films.

CO5: Economic aspects of film.

CO6: Careers in films.

Course Outcome of Computers and Multimedia - II:

CO1: To help learners be media industry-ready. This will help learners to be aware of the minimum requirement of the software when stepping in the industry.

CO2: To introduce the media soft wares to make the learner understand what goes behind the scene and help them choose their stream.

CO3: To prepare learners to be skilled enough for independence during project papers in TY Sem. VI.

CO4: To help learners work on small-scale projects during the academic period.

Semester - V (TYBAMMC - Advertising)

Course Outcome of Copywriting:

CO1: To familiarize the students with the concept of copywriting as selling through writing

CO2: To learn the process of creating original, strategic, compelling copy for various mediums

CO3: To train students to generate, develop and express ideas effectively

CO4: To learn the rudimentary techniques of advertising headline and body copywriting, the economy of words and thought peculiar to this type of writing, and the necessity of creative thinking in written expression.

CO5: In an ad agency, as a copywriter, one cannot “Just be creative and express self” – here one is in a ‘creative professional’, and have to be able to use the power of creativity for a commercial/business reason – as someone is paying you to get a problem solved, using your creativity.

CO6: There are two basic disciplines through which we make our communication - verbal/written and visual, and both need different skills-sets to master them. The structure of the syllabus is designed to hone the necessary skills required for these two diverse disciplines.

Course Outcome of Advertising & Marketing Research:

CO1: The course is designed to inculcate the analytical abilities and research skills among the students.

CO2: To understand research methodologies – Qualitative Vs Quantitative

CO3: To discuss the foundations of Research and audience analysis that is imperative to successful advertising.

CO4: To understand the scope and techniques of Advertising and Marketing research, and their utility.

Course Outcome of Brand Building:

CO1: To understand the awareness and growing importance of Brand Building

CO2: To know how to build, sustain and grow brands

CO3: To know the various new way of building brands

CO4: To know about the global perspective of brand building

Course Outcome of Agency Management:

CO1: To acquaint the students with concepts, techniques and give experience in the application of concepts for developing an effective advertising campaign.

CO2: To familiarise students with opportunities in advertising sector

CO3: To familiarise students with the different aspects of running an ad agency

CO4: To inculcate competencies thereby enabling to undertake professional work with the advertising industry.

Course Outcome of Consumer Behaviour:

CO1: To understand the sociological & psychological perspective of consumer behaviour.

CO2: To introduce students to the complexities of consumer behaviour, its importance in marketing & advertising.

CO3: To sensitize students to the changing trends in consumer behaviour.

Course Outcome of Documentary & Ad Film Making:

CO1: Understanding the planning involved in making audio visual communication effectively.

CO2: To prepare students for effective and ethical public communication.

CO3: To help students acquire basic skills in the practical aspects of Documentary and Ad Film making.

CO4: Equip students with skills to write and shoot effective Documentary and Ad film

Semester - V (TYBAMMC - Journalism)

Course Outcome of Reporting:

CO1: To enable students to become Reporters which is supposed to be a prerequisite while entering into the field of Journalism.

CO2: To make them understand the basic ethos of the news and news-gathering.

CO3: To prepare them to write or present the copy in the format of news.

CO4: To develop a nose for news.

CO5: To train them to acquire the skills of news-gathering with traditional as well as 48 modern tools.

CO6: To inculcate the skills for investigative journalism.

CO7: To make them understand the basic structure/ essential knowledge for various beats.

CO8: To make them responsible reporters and the face of the media.

Course Outcome of Investigative Journalism:

CO1: To understand the role of investigative reporting in modern journalism

CO2: To learn to conduct investigative research in an ethical manner.

CO3: To create and write excellent investigative stories for the media.

CO4: To acquire advanced investigative journalistic skills

CO5: To understand and analyse the key areas of investigative journalism even with limited resources.

Course Outcome of Features and Writing For Social Justice:

CO1: To provide students with the technique of narration and storytelling

CO2: To share the art of developing a story idea

CO3: To acquaint and sensitize them through assignments to the issues of deprivation around us and using writing as a tool for social justice

Course Outcome of Global Media and Conflict Resolution:

CO1: To help students understand the difference in the role and structure of the media across the globe.

CO2: To develop an understanding of the hold of media conglomerates and the issues of cultural differences

CO3: To help students appreciate the potential of the media in resolving conflicts.

Course Outcome of Business and Financial Journalism:

CO1: To provide students with the background, knowledge and skills necessary to be business and financial journalists.

CO2: To create awareness about the importance of business and financial news and its role in coverage, reporting and editing

CO3: To develop the skills for writing different kinds of Business and Financial leads.

CO4: To develop the skills to convert Business news releases into Business and financial reports

CO5: To improve skills in reporting and writing basic and complex business and financial stories in different beats

CO6: To provide a basic understanding of the world of business and finance by localising financial and economic data effectively.

Course Outcome of Journalism and Public Opinion:

CO1: To understand the role of media in influencing and impacting Public opinion.

CO2: To analyse the formation of Public opinion through digital and social media.

CO3: To analyse the impact of the media on public opinion on socio-economic issues.

C04: To make students aware of the theoretical framework of research on media and society.

Semester - VI (TYBAMMC - Advertising)

Course Outcome of Digital Media:

CO1: Understand digital marketing platform

CO2: Understand the key goals and stages of digital campaigns

CO3: Understand the use of key digital marketing tools

CO4: Learn to develop digital marketing plans

Course Outcome of Advertising Design:

CO1: Learners shall understand the process of planning & production of the advertisement.

CO2: To highlight the importance of visual language as an effective way of communication.

CO3: To provide practical training in the field of advertising & make the learner industry ready.

Course Outcome of Advertising in Contemporary Society:

CO1: To understand the environment of Advertising in Contemporary Society

CO2: To understand Liberalization and its impact on the economy and other areas of Indian society

CO3: To compare and analyse the advertising environment of different countries

Course Outcome of Media Planning & Buying:

CO1: To develop knowledge of major media characteristics

CO2: To understand procedures, requirements, and techniques of media planning and buying.

CO3: To learn the various media mix and its implementation

CO4: To understand budget allocation for a Media plan and fundamentals

Course Outcome of Entertainment & Media Marketing:

CO1: To equip students with an understanding of marketing practices, frameworks, and trends in the Entertainment Sector

CO2: To familiarise students with the functioning of the television industry and film industry.

CO3: To make students go through different case studies regarding radio marketing skills, Social media marketing skills etc.

CO4: To help to know the impact of media industry on the viewers, understanding its characteristics

Course Outcome of Television Program Production:

CO1: To familiarise students with the functioning of the television industry

CO2: To analyse the cultural impact of television on the audience.

CO3: To learn practical insights on Television Journalism

CO4: To introduce the contemporary trends of Television programming to students.

CO5: To familiarise students with the measurement formats and reporting skills of television.

Semester - VI (TYBAMMC - Journalism)

Course Outcome of Digital Media:

CO1: Understand digital marketing platform

CO2: Understand the key goals and stages of digital campaigns

CO3: Understand the use of key digital marketing tools

CO4: Learn to develop digital marketing plans

Course Outcome of Newspaper and Magazine Design:

CO1: The learner is required to understand the process of print media production since the content collection to the final print ready layout.

CO2: This includes news weightage as well as article relevancy and the visual treatment to the text block. The appearance of the various text blocks matters in layout.

CO3: Learner should be able to reconstruct headlines suitable for the space keeping the core meaning and intensity intact.

CO4: Learners are expected to develop software skills to be employable in industry.

CO5 Learners shall develop the aesthetic vision and understand the discipline behind a layout.

Course Outcome of Contemporary Issues:

CO1: To stress the importance of socio-economic-political aspects of the society as a media professional.

CO2: To understand the role of media as a strategy to create awareness on various issues and mobilize to bring social progress.

Course Outcome of Photo and Travel Journalism:

CO1: To develop the ability of the learner to bring life into the story through characters and descriptions of places using photographs.

CO2: To spread knowledge about different destinations through writings

CO3: To understand the diverse audiences that are interested in travel and lifestyle related content.

CO4: To understand the use of cameras and images to drive interest in stories.

Course Outcome of Sports Journalism:

CO1: To provide learners with tools and techniques of sports writing and analysis.

CO2: To acquaint learners with the importance of different sports tournaments from a commercial point of view.

CO3: To educate learners about careers in sports journalism.

Course Outcome of Television Journalism:

CO1: To provide students with technique of narration and storytelling

CO2: To share the art of developing a story idea

CO3: To acquaint and sensitize them through assignments to the issues of deprivation around us and using writing as a tool for social justice

DEPARTMENT OF BANKING & INSURANCE

Semester I

BUSINESS ECONOMICS 1 (BIECO101)

C01 :It will help students analyse how an economy functions, combining practical & theoretical knowledge of Economics.

C02:This course, which is a field in applied economics, will help them analyse cost benefit theories, deadweight loss, economies of scale.

C03:It will help them to focus on the economic issues related to business organization and management

Quantitative Methods-I (BIQM102)

After the completion of the course, students will able to

CO1- Organize data using frequency distributions, graphically using histograms, frequency polygons.

CO2- Calculate central tendencies like mean, median and mode and recognise the applicability of these in relevant sections of banking.

CO3- Apply various measures of dispersion. Understand its Geographical representation and utility.

CO4- Understand covariance, correlation and regression and how is it commonly used in forecasting and financial analysis—for a company to tell how a change in the GDP could affect

CO5- Use Index Nos. , Matrices & Determination and application of Matrices and Determinants to Business and Economics.

CO6- Understand basics of Insurance, Calculation of age, Premiums, Bonuses, Maturity Value of the Policy, Claim Calculation and Surrender Value.

Course : Business Communication I (Course Code : BIBC103)

Course Outcomes:

After the completion of the course, students will able to

CO1 Develop competence in using various registers and styles of English used in the business world.

CO2 Gain competence in-group communication.

CO3 Gain command over formal correspondence

CO4 Improve their soft skills

CO5 Enhance their Listening, Speaking, Reading and Writing skills to meet the challenges of the world.

Foundation Course-I (BIFC104)

After completing the course the student will be able to

CO1: Classify different cultural groups in India and factors binding them into a composite culture; identify areas where development policies need to be addressed.

CO2: Recognize causes leading to gender disparity, problems of the elderly, people with disabilities and suggest solutions for the same.

CO3: Explain the roots of conflicts between diverse social and regional groups, their impact, and propose solutions.

CO4: Acquire basic knowledge of the features, structure of the Indian constitution, the fundamental duties of the citizens, and political processes in India.

CO5: Disseminate knowledge about the multicultural nature of Indian society and the Indian political system, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and be in a position to evaluate the value of information acquired.

Environment and Management of Financial Service (BIFA105)

After the completion of the course, students will able to-

C01-Understand different types of financial services

C02-Understand working of Banking and Insurance

C03-Understand risk management & ALM in banks and insurance

C04-Understand Development, regulation supervision in Banks and Insurance

Principles of Management (BIPOM106)

CO1: Meaning of Management, difference between traditional and modern management

CO2: Learner will understand in detail functions of management in corporate.

CO3: Students will study different organizations structures of banking and insurance

CO4: Students will study about different leaders at national level and at international level.

Elected Courses (EC)

Financial Accounting – I (BIFA107)

After the completion of the course, students will able to

CO 1- Prepare Trial Balance & record accounting transactions.

CO 2- Know about how to classify the expenditures and rectify the errors in books of accounts.

CO 3- Know about stock valuation methods & accounting of hire purchase.

CO 4- Know about how to prepare final Accounts of a manufacturer.

Semester II

Organizational Behavior (BIOB201)

CO1: This course will enable the students to combine practical & theoretical knowledge of Organizational Behavior

CO2: The course will provide decision-making skills to the students.

CO3: The students of this course will be active learners & develop awareness of Human Behavior

CO4: To understand how to manage people in the organization

Quantitative Methods-II (BIQM202)

After the completion of the course, students will able to

CO1- Understand and draw hypothesis, make use of Decision Criterion, its significance, Test based on large sample for Means and Proportion/s

CO2- Formulate and solve linear Programming Problems, Graphical Method and

Simplex method and Duality in LPP.

CO3- Understand and compute Ratio, Proportion, variation & Percentage.

CO4- Understand and apply concept of Probability Distribution & Decision Theory

CO5- Apply Statistics In Investment Management and to draw conclusions regarding share prices using Probability, Probability distribution & decision theory.

CO6- Acquaint themselves with Economic indicators like GDP, Inflation rate, Money supply, Index for various productions.

Course : Business Communication II (Course Code : BIBC203)

Course Outcomes:

After the completion of the course, students will able to

CO1 Develop competence in using various registers and styles of English used in the business world.

CO2 Gain competence in-group communication.

CO3 Gain command over formal correspondence

CO4 Improve their soft skills.

CO5 Enhance their Listening, Speaking, Reading and Writing skills to meet the challenges of the world

FOUNDATION COURSE-II (AFFA204)

After the completion of the course, students will able to-

C01-Explain different aspects of liberalization, privatization and globalization and also comment on the social, cultural and economic impact of globalization in India.

C02-Explain different aspects of liberalization, privatization and globalization and also comment on social, cultural and economic impact of globalization in India

C03-Comprehend the human-environment interrelationship; and utilize the UN sustainable development goals to form a plan for integrated sustainable development in their near and distant environment.

C04-Identify situations that create stress, and conflict and chart out strategies to reduce the same so as to create harmony within the self and society.

C05-Disseminate knowledge about the impact of globalization, evolution of human rights, sustainable development goals, and management of stress and conflicts,

comprehend and express lessons learned in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learned, establish a connect with present situations and be in a position to evaluate the value of information acquired.

Elected Courses (EC)

Principles and Practices of Banking & Insurance (BIPPB205)

CO1 : The students will understand the evolution of banks, types of banks and functions performed by them and services provided by such banks.

CO2 : The students will understand the role played by RBI and Banking Regulation Act, 1949 governing the working of banking companies.

CO3 : The students will understand the types of risk and role played by the Insurance sector in combating those risks by providing different types of policies.

CO4 : The students will understand the claim settlement procedure according to the features of the policy.

Business Law (BILAW206)

CO1 : The students will understand the meaning of law, its sources and principles of natural justice.

CO2 : The students will understand the Indian Constitution, its unique nature and legal framework.

CO3 : The students will understand concepts and types of contracts and their legal implications.

CO4 : The students will know the special contracts and contracts for movable goods.

CO5 : The students will understand the different types of Negotiable Instruments and their legal framework.

Financial Accounting – II (BIFA207)

After the completion of the course, students will able to

CO 1 - Value the Goodwill of the company & determine the value per share of the company's equity capital.

CO 2 - Know Conditions, Procedures & Methods of Buy-Back of Equity shares.

CO 3 - Know Conditions, Procedures & Methods of Redemption of Preference shares.

CO 4 - Know Conditions, Procedures & Methods of Redemption of Debentures.

Semester III

ORGANIZATIONAL BEHAVIOUR (BIOB301)

CO1: Learner will be able to understand how behaviour of people in organization is affected by employees personality, their patterns learning, perception of events happening around them, employees emotions, their ethics and how all these things affect decision making in organization..

CO2: Learner will understand the importance of communication, power and politics has ability to influence behaviour of employees in an organization, negotiation factors affecting negotiation and process of negotiation, decision-making and techniques of decision making.

CO3: Students will understand the importance of virtual organization, adhocracy organization, their organization hierarchy and techniques of handling frustration.

CO4: Study of OB will help students to apply theoretical knowledge in practical work environment

FC - III - Financial markets (BIFC302)

CO1 Students can understand the concepts of financial markets and players in it.

CO2. Students will learn the recent developments in the Indian financial Systems.

CO3. This subject described various methods of issuing shares and role of intermediaries in the primary market.

CO4. Students will be able to analyze various types of derivatives and understand the commodity markets

Information Technology in Banking & Insurance-I(BIIT303)

CO1: Understand the importance of cyber laws and cyber security.

CO2: Have thorough understanding of the concepts of e-commerce and e banking.

CO3: Recognize how to use Microsoft Office Programs like MS excel in various banking activities.

CO4: Apply working knowledge of paragraph formatting, macros and mail merge on word documents.

Skill Enhancement Course (SEC)

Foundation Course – III (An Overview of Banking Sector) (BIFC304)

CO1 : The students will understand banking, its regulatory framework and meaning of Basel accord.

CO2 : The students will understand the need of customer relationship management for banks and how it can be managed.

CO3 : The students will understand the concept of universal banking and technologies associated with the payment and settlement system of banks, which can be practiced in real life.

CO4 : The students will understand the concept and schemes associated with Micro finance and Financial Inclusion.

Elected Courses (EC)

Financial management 1 - BIFM305

CO1: After the completion of the course students will be able to know introduction of Finance Financial Management and its primary objectives.

CO2: Student will also be able to understand concepts and practicals of time value of money and EVA

CO3: it will help in understanding various techniques of capital budgeting and its practical application.

CO4: It will help in understanding introduction measurement and practical application of cost of capital and capital structure.

Management Accounting- (BIMA306)

After the completion of the course, students will able to

CO 1- Know about the concepts of management Accounting.

CO 2- Understand about the financial statements and various balance sheet and profit and loss ratios.

CO 3- Know about how the working capital amount can be calculated.

CO 4- Know how the dividend is calculated and distributed among the shareholders.

Direct Tax -(BITAX 307)

After the completion of the course, students will able to

CO1 Gain knowledge on Basic concepts in direct tax

CO2 Classification of income as per the heads indicated under income tax Laws

CO3 An insight into how savings and investment in proper schemes will reduce tax.

CO4 Finally how to compute the total Income of Individuals

Semester IV

Core Courses (CC)

Corporate & Security Laws (BILAW401)

CO1 : Explain the concepts of Macroeconomics and its interrelations with Microeconomics

CO2 : Will be in a position to understand the real economic situations like inflation, recession, foreign trade and monetary policy.

CO3: Apply the principle of Macroeconomics in explaining the behavior of Macroeconomic variables at national as well as global level.

C04: Able to analyze different trends in international trade.

CO4 : The students will understand the working of the Depository system.

BUSINESS ECONOMICS -2 (BIECO402)

CO1 : Explain the concepts of Macroeconomics and its interrelations with Microeconomics

CO2 : Will be in a position to understand the real economic situations like inflation, recession, foreign trade and monetary policy.

CO3: Apply the principle of Macroeconomics in explaining the behavior of Macroeconomic variables at national as well as global level.

C04: Able to analyze different trends in international trade.

Banking & Insurance – II

Course Outcomes:

After the completion of the course, students will be able to

CO1 Understand the importance of IT applications in the Banking Industry.

CO2 Visualize new horizons of banking based on IT and deal with fraudulent transactions efficiently.

CO3 Recognize how to use advanced features of Microsoft Office Programs like MS PowerPoint.

CO4 Understand the clarity of electronic payment system and plastic money

Skill Enhancement Course (SEC)

Foundation Course – III (An Overview of Insurance Sector)- (BIFC404)

After completing the course the student will be able to

CO 1-Understand and analyse risk, which can help to decide upon policy accordingly.

CO-2 Understand and analyse the benefits given by different health insurance policies.

CO-3 Understand and analyse the benefits given by different home insurance policies and vehicle insurance policies.

CO-4 Understand and analyse different types of risks and procedures involved in getting benefits from policies.

Elected Courses (EC)

Financial management 2 - BIFM405

CO1: After the completion of the course students will be able to know the concept of MPBF introduced by Tandon committee and management of inventory.

CO2: Student will be able to understand concepts and practicals related to cash management and receivable management.

CO3: It will help in understanding various types of budget including sales budget, production budget and flexible budget

CO4: It will help in understanding leverages its types and practical application

Cost Accounting (BICA406)

After the completion of the course, students will be able to

CO 1 - Differentiating the cost in different heads and basic concepts in cost

CO 2 - Prepare cost sheet and Know the reasons for difference in profit in cost & financial statement & reconcile the profits.

CO 3 - Compare standard and actual cost

CO 4 - Make break even analysis

Entrepreneurship Management (BIEM407)

After the completion of the course, students will be able to

CO 1 - Understand skill & qualities required to be an entrepreneur, relation between creativity and innovation.

CO 2 - Gain knowledge about different types of entrepreneurial structures, important working areas of enterprise, prepare detailed project reports.

CO 3 - Learner will know the key areas of new business Ventures.

CO 4 - To know about different monetary schemes offered by different institutions and concept of social entrepreneurship

Semester V

ABILITY ENHANCEMENT COURSES

INTERNATIONAL BANKING AND FINANCE (BIIBF501)

After the completion of the course, students will be able to,

CO1: To make the students to understand the fundamental aspect of international finance.

C02: To study the international banking operation.

C03: To make the students aware of the international foreign exchange market operation.

C04: To make the student to get the knowledge on risk management.

C05: To make the student to understand about the background of international capital market.

RESEARCH METHODOLOGY (BIRM502)

C01: Demonstrate knowledge of research processes

C02: Identify, compare, and explain the key elements of research project.

C03: Make different hypothesis and prove them with research methodology techniques.

C04: Will be able to critically assess research methods pertinent to technology innovation research.

C05: Know importance of research in social sciences.

STRATEGIC MANAGEMENT (BIFSM504)

CO1: The learner will understand business strategy and elements, models of strategic management

CO2: To make student aware of business environment and application of SWOT analysis in every business.

CO3: To make learner understand meaning of integration diversification internationalization and digitalization of business

CO4: To make student understand concept of benchmarking, gap analysis strategic control and evaluation of strategy.

CO5: Standards, Benchmarking, Gap Analysis, Strategic Control and role of information system.

Elected Courses (EC)

Financial Reporting & Analysis (CORPORATE BANKING & INSURANCE) (BIFRA503)

After the completion of the course, students will be able to

CO 1- Know about the Accounting of banks and calculations of NPA.

CO 2- Know about the Accounting of insurance companies.

CO 3- Understand the provisions of companies Act and final accounts of companies.

CO 4- Understand the concepts of Cash flow analysis.

CO 5- Know about the Accounting Standards & IFRS.

FINANCIAL SERVICES MANAGEMENT (BIECG505)

After the completion of the course, students will able to

C01-Know Introduction of various fund and fee based financial services for e.g. factoring, forfeiting, lease, hire purchase etc.

C02-Gain detailed knowledge about mutual funds, factoring and forfeiting.

C03-Understand Securitization of Debt and Derivatives.

C04-Learn Housing Finance and Consumer Finance.

C05-Learn Depositories, its functioning and pledge

Business Ethics & Corporate Governance (BIECG506)

CO1 : The students will understand the basic concepts of business ethics and its applications in business.

CO2 : Introduction of ethical theories and application of those theories in business.

CO3 : Provide knowledge about corporate governance from its basics.

CO4 : Development of corporate governance and the Indian scenario.

CO5 : Corporate governance and the development of it in the global scenario.

Semester VI

CORE COURSES (CC)

CENTRAL BANKING (BICB601)

After the completion of the course, students will able to,

CO1: To help students to understand the overview of Central banking in India and abroad.

CO2:Make the student to understand RBI as Central Bank of India and its various perspectives.

CO3:Enable the students to appreciate the supervisory role of RBI.

CO4:Provide knowledge about the other countries Central bank under structural few functions.

CO5: Enable the student to understand the Central Bank in the present cyber world

Ability Enhancement Course (AEC)

Project Work (BIPW602)

After the completion of the course, students will be able to

CO 1- Creating awareness among the learners about the methodology of formulation & preparation of the project work

CO 2- Understand Various Issues and Increase Public Awareness.

CO 3- Develop knowledge in their specialized field.

HUMAN RESOURCE MANAGEMENT (BIHRM604)

CO1: Learner will acquire knowledge about human resource functions, role of hr manager, how HR policies are designed.

CO2; Learner will understand process of job analysis, meaning of job evaluation job design and factors affecting job design in banking and insurance sector.

CO3: Learner will understand meaning of HR planning, importance of maintaining human resource inventory, recruitment selection and its sources for banking and insurance.

CO4: Students will acquire knowledge about training and development, reinforcement of training, how performance appraisal techniques are used in service sector organizations.

CO5: Learner will understand voluntary retirement schemes of banking and insurance with reference to case studies, current trends of compensation and participative practices used in financial institutions.

Elected Courses (EC)

Security Analysis and Portfolio Management: BISPM603

CO1: After the completion of the course students will be able to know portfolio selection and feasible set of portfolio.

CO2: After the completion of the course students will be able to do portfolio revision if required and will be able to understand economic analysis and industry analysis and company analysis.

CO3: It will also help the students to do technical analysis through various charts and will help in understanding the CAPM model in detail.

Turnaround Management (BITMG605)

CO1 : The students will understand the growth and expansion strategy for a business.

CO2 : The students will understand the concept of industrial sickness and ways to overcome sickness.

CO3 : The students will understand the role of quality management and different cost effective techniques in business.

CO4 : The students will have knowledge of recent trends in business.

CO5 : The students will be able to understand and choose proper leadership style, adopt and develop skills required to manage a business.

INTERNATIONAL BUSINESS (BIIB606)

CO1: Explain and practice business strategies.

CO2 :Will be in a position to explain the recent trends in the business with the help of export strategies and mergers & acquisitions.

CO3 :Will be able to conduct, evaluate market research to support an organization's international business decision making.

CO4: Able to analyze changing trends of exports & imports at global level.

CO5: Apply the current business phenomenon and to evaluate the global business environment in terms of economic, social and legal aspects

BMS

Semester I

Core Course (CC)

Foundation of Human Skills (MSFHS101)

CO1. Students will learn human span of life and also individual differences.

CO2. Students will get the knowledge on different thinking styles and different learning theories.

CO3. Student can get the understanding of different personalities of human and Attitudes and perception understandings

CO4. Students can learn stress management, conflict management and different motivational theories.

BUSINESS ECONOMICS 1 (MSECO102)

C01 :It will help students analyze how an economy functions, combining practical & theoretical knowledge of Economics.

C02:This course, which is a field in applied economics, will help them analyze cost benefit theories, deadweight loss, economies of scale.

C03:It will help them to focus on the economic issues related to business organization and management

Ability Enhancement Course (AEC)

Course : Business Communication I (Course Code : MSBC103)

After the completion of the course, students will able to

CO1 Develop competence in using various registers and styles of English used in the business world.

CO2 Gain competence in-group communication

CO3 Gain command over formal correspondence

CO4 Improve their soft skills.

CO5 Enhance their Listening, Speaking, Reading and Writing skills to meet the challenges of the world.

Skill Enhancement Course (SEC)

Foundation Course – I (MSFC104)

CO1 : The students will be able to classify different cultural groups in India and factors binding them into a composite culture; identify areas where development policies need to be addressed.

CO2 : The students will be able to recognize causes leading to gender disparity, problems of the elderly, people with disabilities and suggest solutions for the same.

CO3 : The students will be able to explain the roots of conflicts between diverse social and regional groups, their impact, and propose solutions.

CO4 : The students will acquire basic knowledge of the features, structure of the Indian constitution, the fundamental duties of the citizens, and political processes in India.

CO5 : Disseminate knowledge about the multicultural nature of Indian society and the Indian political system, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and be in a position to evaluate the value of information acquired.

Elective Course (EC)

Introduction to Financial Accounts (MSIFA105)

After the completion of the course, students will be able to

CO1 - Know about the Accounting Standards & IFRS.

CO2 - Record accounting transactions.

CO3 - Prepare Trial Balance & Accounting Treatment for Depreciation as per AS 6

CO4- Know how to rectify errors, how to prepare final Accounts of a manufacturer.

Business Law (MSLAW106)

CO1 : The students will understand concepts and legal aspects of general and special contracts.

CO2 : The students will be able to identify and understand types of negotiable instruments and rights of consumers.

CO3 : The students will understand basic features, types and framework of companies.

CO4 : The students will understand the concept of goods and legal aspects of contracts for movable goods.

MSBS107 - Business Statistics

CO1- To make students familiar with a variety of examples where mathematics or statistics help accurately explain abstract physical phenomena.

CO2- students will be able to understand the purpose of measures of dispersion and the information they convey.

CO3- Students will be able to know the components & structures under time series & Index number

CO4- students will be able to know the concept of probability and its features, concepts & principles.

Semester II

Core Courses (CC)

Business Environment (MSBE201)

CO1. Students will learn various business strategies to implement in today's modern business world

CO2. Students will get knowledge of internal and external business environments.

CO3. It helps to understand a business organization's performance through SWOT analysis/ scanning.

CO4. Students will get awareness of international trade and practices by understanding globalization, Liberalization, GATT, WTO and FDI

Principles of Management (MSPOM202)

CO1: This course will enable the students to learn basic concepts of management.

CO2: The course will provide decision making skills to the students in management.

CO3: The students of this course will be active learners & develop awareness of emerging trends in management.

CO4: This course will give introduction of leadership skills to students

Ability Enhancement Course (AEC)

Course : Business Communication II (MSBC203)

After the completion of the course, students will able to

CO1 Develop competence in using various registers and styles of English used in the business world.

CO2 Gain competence in-group communication.

CO3 Gain command over formal correspondence

CO4 Improve their soft skills

CO5 Enhance their Listening, Speaking, Reading and Writing skills to meet the challenges of the world.

Skill Enhancement Course (SEC)

FOUNDATION COURSE-II (MSFC204)

After the completion of the course, students will able to-

C01-Explain different aspects of liberalization, privatization and globalization and also comment on the social, cultural and economic impact of globalization in India.

C02-Explain different aspects of liberalization, privatization and globalization and also comment on social, cultural and economic impact of globalization in India

C03-Comprehend the human-environment interrelationship; and utilize the UN sustainable development goals to form a plan for integrated sustainable development in their near and distant environment.

C04-Identify situations that create stress, and conflict and chart out strategies to reduce the same so as to create harmony within the self and society.

C05-Disseminate knowledge about the impact of globalization, evolution of human rights, sustainable development goals, and management of stress and conflicts, comprehend and express lessons learned in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learned, establish a connect with present situations and be in a position to evaluate the value of information acquired.

Elective Courses(EC)

Principles of Marketing (MSPMK205)

After the completion of the course, students will be able to-

CO1: Understand basic concepts of marketing, selling and types of products and services

CO2: Learn the various internal and external factors that control the marketing firm. They will also understand the meaning and importance of marketing research and different types of research.

CO3: Understand various concepts in marketing like branding, pricing, physical distribution of goods and various promotional tools.

CO4: Apply the broad framework that summarizes and simplifies the process of market segmentation, targeting, positioning and differentiation.

Industrial Law (MSLAW206)

CO1 : The students will understand industrial disputes and concepts of arbitration and conciliation.

CO2 : The students will understand regulation of working conditions of factories and compensation to workers.

CO3 : The students will know about the social security legislations provided for the benefit of workers in the form of provident fund, pension and insurance.

CO4 : The students will gain insight about legal provisions for calculation of wages, bonus and gratuity for workers.

Business Mathematics (MSBM207)

CO1 : Demonstrate understanding of basic concepts in Interest, Depreciation relating to financial data.

CO2 : Describe how to perform the various operations under Matrices & Determinations.

CO3 : Understand the idea of differentiation from 1st and 2nd order principle with differential power function.

CO4 : The purpose of this module is to provide the student with the skills, knowledge and attitude required to determine approximate numerical solutions to mathematical problems which cannot always be solved by conventional analytical techniques.

Semester III

Core Courses (CC)

Business Planning & Entrepreneurial Management (MSBEM301)

CO1 : The students will be able to understand the skills required by an entrepreneur to perform functions and overcome the barriers while doing business.

CO2 : The students will gain knowledge about different types of entrepreneurs prevailing in the society.

CO3 : The students will come to know about the sources and process of generating business ideas and check its feasibility before adopting and implementing such ideas.

CO4 : The students will get the knowledge about different monetary schemes offered by government and other financial institutions which can be availed while starting or doing business and to know about recent business trends.

Accounting for managerial decisions (MSAMD302)

CO1: After the completion of the course students will be able to learn vertical format and make different analyses.

CO2: it will also help in making decisions and suggest on the basis of ratio analysis.

CO3: It will help them to learn flow of cash but different activities and estimate of working capital requirement.

Strategic Management (MSSM303)

CO1: Students will learn the management policies and strategies at every Level to develop conceptual skills in this area as well as their application in the corporate world.

CO2: Students will examine the management of the entire enterprise from the Top Management viewpoints.

CO3: This course deals with corporate level Policy & Strategy formulation areas. .

CO4: Course will guide students to understand organization structure.

Ability Enhancement Course (AEC)

Information Technology in Business Management-I (MSIT304)

After the completion of the course, students will be able to

CO1 Understand the concept of a computer based information system and its use for management.

CO2 Recognize when to use each of the Microsoft Office Programs to create professional and academic documents

CO3 Communicates professionally through electronic medium; understand basics of E-commerce and M-commerce.

CO4 Understand E-security, computer threats, cyber laws and information security environment.

Skill Enhancement Course (SEC)

Foundation Course – III (Environmental Management) (MSFC305)

CO1: Students will understand the composition and various components of the Environment.

CO2: Students will be exposed to various factors responsible for Environmental Degradation and Pollution, identify measures to control Pollution.

CO3: Students will comprehend industrial development with sustainability and know important instruments of reconciliation between the developmental needs and environmental values.

CO4: Students will know about innovations in business from an environmental perspective.

Elective Courses (EC) (Any 1 Group of following)

Group A: Marketing Elective

Consumer Behavior (MSCB306)

CO1: It will help students to understand customer behavior

CO2: It will introduce students to know different psychological behavior of consumer at different points of time

CO3: Student will get to know about different CB tools used by marketers

CO4: Most importantly student will get to know about ethics which marketer has to follow while he is dealing with customer.

Advertising (MSADV307)

CO1: The student will be able to understand the features and benefits of advertising, various theories and models of advertising, and ethics and laws in advertising.

CO2: The student will understand the advertising planning and implementation process and the role of advertising agencies.

CO3: The student will be familiarized with the role of different elements like logo, slogans, taglines, script, music, etc while placing ads using various media like print, TV, radio or the internet.

CO4: The student will be familiarized with budgeting techniques used in advertising, also to find out the effectiveness of advertising pre and post the advertise is published or broadcasted. Students will also be aware of the recent trends in advertising.

Elective Courses (EC) (Any 1 Group of following)

Group B:Human Resource

Recruitment & Selection (MSRS308)

CO1: Students will understand how jobs analysis, design and job specification, evaluation. Students will know various sources of recruitment and selection and techniques used.

CO2: Students will understand the scientific selection process, different screening mechanisms and interviewing techniques used by corporations.

CO3: Learner will understand the process of induction, orientation types of orientation and how socialization of employees is done.

CO4: Learner will know the biodata ,CV ,office etiquettes ,different interviews ,exit interviews and quitting techniques & its application.

Motivation and Leadership (MSML309)

CO1. The course gives the knowledge to students about the different theories of motivation.

CO2. Enhance the students to know intrinsic and extrinsic motivation in theory and practice.

CO3. Students can develop the awareness of emerging trends in Eastern and Western culture.

CO4. Students can learn different Leadership Styles.

Group C: Finance Elective: -

Introduction to Cost Accounting (MSICA310)

After the completion of the course, students will able to

CO1- Differentiating the cost in different heads

CO2- Calculate stock valuation, stock level, wages by different incentive plans and distribution of overheads by various methods

CO3- Prepare a cost sheet and reconcile the profits.

CO4- Learn about new concepts in costing.

Corporate Finance (MSCF311)

After the completion of the course, students will able to

CO 1 - Know about the concepts used in Corporate Finance & in Securities

CO 2 -

- Understand how to determine the proper mix of debt and equity to use to fund corporate investment.
- Know the factors that have affected the cost of capital, and distinguish between those factors that can and cannot be controlled by the company.
- Explain how operating leverage contributes to a firm's business risk and conduct a breakeven analysis, complete with a break even chart.
- Define financial leverage and explain its effect on expected ROE, expected EPS and risk borne by stockholders

CO 3 -

- Describe why the time value of money is important when analyzing a potential project
- Understand the importance of Capital Budgeting and the concepts underlying strategic and capital investment decisions. Also described to use discounted & non discounted capital budgeting techniques.

CO 4 - Know how to mobilized the funds with rules and regulations given by RBI &SEBI

Semester IV

Core Courses (CC)

Business Economics - II (MSECO401)

CO1: Explain the concepts of Macroeconomics and its interrelations with Microeconomics

CO2 : Will be in a position to understand the real economic situations like inflation, recession, foreign trade and monetary policy.

CO3: Apply the principle of Macroeconomics in explaining the behavior of Macroeconomic variables at national as well as global level.

CO4: Able to analyze different trends in international trade.

Business Research Methods (MSBRM402)

CO1: Demonstrate knowledge of research processes

CO2: Identify, compare, and explain the key elements of a research project.

CO3: Make different hypotheses and prove them with research methodology techniques.

CO4: Will be able to critically assess research methods pertinent to technology innovation research.

CO5 : Know the importance of research in social sciences.

Production & Total Quality Management (MSPTQ403)

CO1: The student will know the various types of production systems, and various factors of production like development of a product, location of a production plant, layout of a plant and procurement of resources.

CO2: The student will be acquainted with various ways and equipment used to move

material and techniques to manage their inventories.

CO3: The student will be familiarized with the concept of Total Quality Management and ways to improve productivity.

CO4: The student will be familiarized with various quality improvement strategies like Lean manufacturing, six sigma etc, and about various certifications and awards in quality and performance excellence

Ability Enhancement Course (AEC)

Information Technology in Business Management – II (MSIT404)

After the completion of the course, students will be able to

CO1 Apply managerial decision making concepts and understand Management Information System.

CO2 Understand the concept of Enterprise Resource Planning, Supply Chain Management, Customer Relationship Management, Key issues in implementation.

CO3 Understand relationship between database management and data warehouse approaches , the requirements and applications of data Warehouse

CO4 Apply the concepts of business process outsourcing and cloud computing

Skill Enhancement Course (SEC)

Foundation Course – IV (Ethics & Governance) (MSFC405)

CO1: To understand significance of ethics and ethical practices in businesses which are indispensable for the progress of a country.

CO2: To learn the applicability of ethics in functional areas like marketing, finance and human resource management.

CO3: To understand the emerging need and growing importance of good governance and CSR by organizations.

CO4: To study the ethical business practices, CSR and Corporate Governance practiced by various organizations.

Elective Courses (EC) (Any 1 Group of following)

Group A: Marketing Electives

Integrated Marketing Communication (MSIMC406)

CO1: Student will understand various tools of IMC and the importance of co-ordinating them for an effective marketing communication program.

CO2: Students will get equip with knowledge about the nature, purpose and complex construction in the planning and execution of an effective Integrated Marketing Communication (IMC) program.

CO3: Student will get aware about recent trends in communication.

CO4: Student will get to know different promotional tools used by an organization

Rural Marketing (MSRMK407)

CO1: Students will understand the concept of a rural market, its composition and constraints with reference to the Indian market.

CO2: Students will learn about rural customers, the environment that surrounds them and their buying behavior.

CO3: Students will learn about marketing mix to be implemented for the rural market.

CO4: Students will learn and will evaluate marketing strategies applied to Indian rural market

Group B: Human Resource

Training & development in HRM (MSTD408)

CO1: Learner will understand the importance of training, types of training, assessment of training needs and criteria of designing training program.

CO2: Learner will understand the development process, method of counseling and career development cycle.

CO3: Method of development, program and techniques of Management development program.

CO4: Students will understand the importance of performance appraisal, talent management and how knowledge management is utilized in organization.

Change Management (MSCM409)

CO1. Students enhance the knowledge of organization change and different forces of change.

CO2. Resistance to change, building the support for change, understand the different methods and models of change.

CO3. The students develop the awareness of emerging trends to support management by team building

CO3. The students learn effective implementation of change.

Group C: Finance Elective

Strategic Cost Management (MSSCM410)

After the completion of the course, students will be able to

CO1- Understand strategic cost management

CO2- Learn ABC, transfer pricing system, marginal costing and make managerial decisions

CO3- Compare standard and actual cost

CO4- Make strategic assessment of cost & managerial performance

Corporate Restructuring (MSCR411)

After the completion of the course, students will be able to

CO 1- Know about various forms of restructuring.

CO 2- Know about practical and theoretical aspects of internal reconstruction.

CO 3- Understand the concepts of external reconstruction.

CO 4- Understand the theoretical aspect of the impact of reorganization on a company.

Semester V

Core Course (CC)

Logistics & Supply Chain Management (MSLSC501)

CO1: The student will get a clarity on the concepts of Logistics and Supply Chain Management

CO2: Students will be acquainted with various elements of the logistics mix like transportation, warehousing, material handling and packaging.

CO3: Students will be familiarized with various inventory management techniques, various costing methods, and performance management management chain management.

CO4: The student will be acquainted with recent trends in logistics and supply chain management.

Corporate Communication and Public Relation (MSCCP502)

CO1: Student will get basic understanding of the concepts of corporate communication and public relations

CO2: Student will get introduced to various elements of corporate communication and consider their roles in managing organizations

CO3: Student will understand how to examine various elements of corporate communication and how they must be coordinated to communicate effectively

CO4: Students will understand the ethical background of Corporate communication.

Elective Courses (EC) (Any 1 Group of following)

Group A:Marketing Elective

Service Marketing (MSSMK503)

CO1: Student will understand distinctive features of services and key elements in services marketing

CO2: This course will provide insight into ways to improve service quality and productivity

CO3: Students will understand how marketing of different services in Indian context

CO4: Students will get to understand reasons behind growth of Service Marketing

E-Commerce & Digital Marketing (MSEDM504)

CO1: The student will be able to understand the concept of E-Commerce

CO2: The student will be acquainted with various e-applications in business

CO3: The student will get thorough knowledge of various payment systems, issues related to privacy and security in business and legal issues in e-commerce

CO4: The student will be acquainted with the concept of Digital Marketing techniques.

Sales & Distribution Management (MSSDM505)

CO1: Understand Sales and distribution channels better

CO2: Study the market. Analyse its buying and selling

CO3: Know how to identify International and national selling and distribution and learn to manage distribution channels

CO4: Evaluate sales performances and ethical trends of market

Customer Relationship Management (MSCRM506)

CO1 : The students will come to know about the CRM Function.

CO2 : The students will know about the Technology used in maintaining relationships with customers.

CO3 : The students will understand Challenges and Opportunities in maintaining relationships with customers.

CO4 : The students will know about the CRM process.

Elective Courses (EC) (Any 1 Group of following)

Group B:Human Resource

Finance for HR Professionals and compensation management (MSFHR507)

CO1.Students can understand the different compensation plans and

CO3. Get the knowledge of various wage theories and incentive methods.

CO3. Gain knowledge of compensation for special groups and recent trends of compensation.

CO4. Students will get the awareness of Legal and Ethical issues of compensation knowledge and how to overcome it.

Strategic Human Resource Management and HR policies (MSSHR508)

CO1. Students understand the application of different models of Human Resource Management

CO2. Students can understand and develop different strategies to support organizational strategies.

CO3 Students learn and analyze HR policies in organization.

CO4. Students get understanding of recent trends of strategic Human resource management and International strategic Human Resource Management and issue approaches

Performance Management and Career Planning (MSPMC509)

CO1: Learn and understand performance management and its linkage with other functions of Management, use of technology in performance management and best practices of performance management.

CO2; Gain knowledge about Performance management its appraisal, operation and implementation in corporate.

CO3: Know the best ethical E practices of performance and pay criteria

CO4: Learner will understand career planning, its development and models and application in corporates

Industrial Relations (MSIR510)

CO1 : The students will have a complete overview of Industrial Relations concepts.

CO2 : The students will understand terms viz, Industrial Disputes, Employee Discipline, Grievance Handling and Workers Participation in Management.

CO3 : The students will gain knowledge of Trade Unions and Collective Bargaining.

CO4 : The students will have a fair perspective on Industrial Relations Related Laws in India e.g. : Trade Unions Act, The Factories' Act.

Group C Finance Elective

Investment Analysis & Portfolio Management (MSIAP511)

After the completion of the course, students will able to

C01-The objective of this course is to introduce the intuition and concepts of Investment analysis and portfolio management

C02-The aim of the course is to provide the theoretical underpinning of the subject with the implications in the real world.

C03-The course will help the participants in developing skills required to conduct assessment of current issues covered by media and specialized journals.

C04-Able to analyze changing trends of investment at global level.

Financial Accounting (MSFA512)

After the completion of the course, students will able to

CO1- Make Final Accounts of the company

CO2- Understands underwriting of shares & debentures

CO3- Pass entries of export, import, payment, receipt and foreign exchange fluctuation of foreign currency transactions

CO4- Pass entries & make ledger of Investment in shares & debentures

CO5- Learn about financial report & accounting standard ethics.

Risk Management (MSRM513)

After the completion of the course, students will able to

CO1 -Learn all concepts in risk management.

CO 2- Understand risk measurement & control

CO 3- Know about risk assurance & risk governance

CO 4- Know about risk management in insurance industries, their claim management & risk management in banking sector

Direct tax (MSTAX514)

After the completion of the course, students will able to

CO1 Understand basic terms of tax like Previous year, Assessment year, Person etc

CO2 Have Knowledge of classification of income as per various heads.

CO3 Calculate taxable income under five different heads along with exemptions and deductions

CO4 Understand Tax planning with proper investments as per the act. i.e. Deductions chapter VI

CO5 Finally able to derive taxable income of Individuals

Semester VI

Core Course (CC)

Operation Research (MSOR601)

CO1- The student will understand how to make optimal use of resources and better quality decision making.

CO2- The student will understand the likely impacts that will result from a proposed project, strategy or transport/ environment policy.

CO3- The student will understand how to minimize production delays, interruptions and conflicts.

CO4- The student will understand the systematic competitive approach for deciding the best strategy in competitive situations.

Ability Enhancement Course (AEC)

Project Work (MSPW602)

After the completion of the course, students will able to

CO 1- Creating awareness among the learners about the methodology of formulation & preparation of the project work

CO 2- Understand Various Issues and Increase Public Awareness.

CO 3- Develop knowledge in their specialized field.

Elective Courses (EC) (Any 1 Group of following)

Group A:Marketing Elective

Brand Management (MSBM603)

CO1: Students will able to understand the meaning and significance of Brand Management

CO2: Students will know how to build, sustain and grow brands

CO3: Students will understand the various sources of brand equity

CO4: This course will help student to understand how to build brand value.

Retail Management (MSRM604)

CO1: Students will understand the concept of Retail Management, various retail formats and know about emerging trends in the retail sector.

CO2: Students will comprehend who is a retail consumer, the importance of consumers in the retail sector, and various strategies to gain and retain customers with the retail outlets.

CO3: Students will be aware of the kinds of merchandise available at retail outlets, their procurement, pricing and management.

CO4: Students will be able to study and analyze different types of store layouts and store designs.

International Marketing (MSIMK605)

CO1: The student will have the knowledge of International Marketing, its process and benefits, and various concepts and barriers to International trade.

CO2: The student will be aware of the impact of various internal and external factors in the environment which have a direct and indirect impact on international marketing.

CO3: The student will be in a position to understand decisions related to International products, pricing, distribution and promotions in International Markets.

CO4: The student will be acquainted with planning and implementation of International strategies, as well as International marketing of Services.

Media Planning & Management (MSMPM606)

CO1: Students will understand Media Planning, Strategy and Management with reference to current business scenario.

CO2: Students will get to know the basic characteristics of all media to ensure most effective use of advertising budget.

CO3: This course will provide students an insight on Media Planning, Budgeting, Scheduling and Evaluating the Different Media Buys.

CO4: Students will understand planning and implementation of the media aspect of marketing.

Group B:Human Resource

Global Human Resource Management in Global Perspective (MHS GP607)

CO1. Students understand the difference between Global HR and Domestic HR, dealing with diversity workforce and quality of global managers

CO2. Students learn and understand the Recruitment and Selection for international assignments. They also learn different types of compensation and Training given to these selective employees.

CO3 Students learn, How to deal with Expatriate and Repatriate employees and provide resolution to their problems.

CO4.Students can understand the current trends of global HRM and how to use technology in HRM.

Organizational Development (MSOD608)

CO1. Students will get the knowledge and understanding of organizational development programme in organizations.

CO2. Students enhance understanding of “ Organizational Intervention techniques to implement organizational effectiveness.

CO3. Students will learn the Organizational Diagnosis and Renewal system to implement in development of organization.

CO4. It will help the student to understand global trends of organizational development strategy.

HRM in Service Sector Management (MSSSM609)

CO1: Learner will understand the growing importance of the service sector, service culture, relationship marketing, role of customers in service processes and service encounters.

CO2:Learners will know how service sectors are managed through emotions, labor and importance of the right person for the right job.

CO3: To make student aware of the importance of quality in service sector and issues and challenges that are faced by human resource in specific sector

CO4: To make student understand how service benchmarks are created by service leaders retaining best people in service sector and globalization of Indian service sector

Human Resource Accounting and Auditing (MSHAA610)

CO1. Students can understand the value and significance of human resources in organization.

CO2. Students can learn how to introduce the importance of Human Resource Accounting at National and International level.

CO3. It provide students insight understanding of Human Resource Accounting Practices in India

CO4. Students will understand and familiarize with the process and approaches of Human Resource Accounting and audit.

Group C Finance Elective

International Finance- (MSIF611):

After the completion of the course students will be able to:

CO 1- Explain the concepts of finance and players in it

CO 2- Will be in a position to explain the recent developments in International finance.

CO 3- Will be able to analyze various risks involved in trade & exchange.

CO 4- Able to analyze changing trends of banking & finance at global level.

Innovative Financial Services (MSSF612)

CO1: After the completion of the course students will be able to know the introduction of various fund and fee based financial services factoring and the process of Bill discounting.

CO2: It will also help to understand the concept related to issue management intermediaries Stock Broking and securitization.

CO3: This syllabus will help students to understand the difference between lease and hire purchase concept of housing finance and venture capital.

CO4: Students will gain knowledge about consumer finance, plastic money and credit rating agencies.

Strategic Financial Management (MSSFM613):

After the completion of the course, students will able to

CO 1- Understand the concept of dividend decisions and XBRL (Business Language).

CO 2- Understand the concept and techniques of capital budgeting and capital rationing.

CO 3- Understand concepts of corporate restructuring.

CO 4- Understand concept of working capital finance and tandon committee norms and knowledge about how bank manages their finance

Indirect taxes (MSTAX614)

After the completion of the course, students will able to

CO1: Students should able to understand the implementation of GST in India along with its basic provisions.

CO2: Students should be able to understand the applicability of GST provisions in various circumstances.

CO3: Students should be able to determine the eligibility of registration under GST laws

CO4: Students should be able to determine the place of supply under various situations

CO5: Students should be able to determine the time of supply under various situations

CO6: Students should be able to compute the GST liability applying the rules of valuation and set off mechanism

CO7: Students should be able to understand the various procedural aspects including interest and late fees provisions under GST

Department of Information Technology

PSOs

PSO.1. Demonstrate understanding of the principles and working of the hardware and software aspects of computer systems.

PSO.2. Design, implements, test, and evaluate a computer system, component, or algorithm to meet desired needs and to solve a computational problem.

PSO.3. Identify information technology related problems, analyze them and design the system or provide the solution for the problem.

PSO.4. Apply current technical concepts and practices in the core information technologies of human computer interaction, information management, programming, networking, and web systems and technologies.

PSO.5. Enhance skills and adapt new computing technologies for attaining professional excellence and carrying research

PSO.6. Understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics and networking for efficient design of computer-based systems of varying complexity.

PSO.7. Apply standard Software Engineering practices and strategies in software project development using open-source programming environment to deliver a quality product for business success.

PSO.8. Be acquainted with the contemporary issues, latest trends in technological development and thereby innovate new ideas and solutions to existing problems.

Course Outcomes:

FYBScIT

Sem-I

Paper 1: SIT101

Name of Paper: Imperative Programming

CO1. Draw flowchart for a given problem.

CO2. Write algorithm and pseudocode for a given problem.

CO3. Understand various concepts of C language.

CO4. Implement the C language Concepts.

CO5. Motivate them to develop projects / applications using C language

Paper 2: SIT102

Name of Paper: Digital Electronics

CO1. Perform conversions among different number systems, become familiar with basic logic gates and understand Boolean algebra.

CO2. Understand the use of K-map for hardware minimization.

CO3. Understand the design of combinational circuits such as multiplexer, demultiplexer, encoder and decoder etc.

CO4. Understand the design of sequential Circuits such as flip-flops, Registers, and Counters.

CO5. Obtain a basic level of Digital Electronics knowledge and set the stage to perform the analysis and design of Complex Digital electronic Circuits.

Paper 3: SIT103

Name of Paper: Operating System

CO1. Analyze the structure of OS and basic architectural components involved in OS design.

CO2. Understand the various modules in Operating system like process, memory, files, device and resource management techniques or different types of OS.

CO3. Understand the Mutual exclusion, Deadlock handling methods like Deadlock detection, avoidance.

CO4. Create virtual machine and install Linux / Windows OS.

CO5. Know the basic commands in Linux and Windows OS as well as install and use Windows / Linux Desktop and utilities.

Paper 4 :SIT104

Name of Paper: Discrete Mathematics

CO1. Think analytically.

CO2. Have better reasoning abilities.

CO3. Prove mathematical properties using mathematical induction methods, study functions, spaces, and other mathematical structures using sequences and use of recursion.

CO4. Use relation, graphs and trees in various applications.

CO5. Use SCILAB tool to solve mathematical problems.

Paper 5 :SIT105

Name of Paper: Communication Skills

CO1. Communicate effectively.

CO2. Will be able to improve understanding and build rapport with others.

CO3. Communicate in a group

CO4. Prepare and deliver presentation effectively.

CO5. Prepare Writing Business Messages and Documents.

Sem-II

Paper 1: SIT201

Name of Paper: Object Oriented Programming

CO1. Implement the basic principles of OOPs

CO2 Implement Object Oriented Concepts like classes , constructors, destructors etc.

CO3 Implement various types of inheritance, polymorphism and virtual function.

CO4 Implement exception and file handling, template.

CO5 Develop a project / application using C++.

Paper 2: SIT202

Name of Paper: Microprocessor Architecture

CO1. Acquire basic knowledge of microprocessor.

CO2. Understand the architecture of a microprocessor 8085 and other.

CO3. Carry out various code conversions.

CO4. Write 8085 based programs.

CO5. Motivated to pursue further study in the field of Embedded systems.

Paper 3: SIT203

Name of Paper: Web Programming

CO1. Design web pages using HTML 5 elements.

CO2. Develop dynamic web pages using JavaScript.

CO3. Develop web applications using PHP and MySQL.

CO4. Develop static / dynamic web applications using HTML5, PHP and MYSQL.

CO5. Feel interested and motivated to pursue further study in the field of web development.

Paper 4: SIT204

Name of Paper: Numerical and Statistical Methods

CO1. Describe and discuss the key terminology, concepts tools and techniques used in business statistical analysis.

CO2. Critically evaluate the underlying assumptions of analysis tools.

CO3. Understand and critically discuss the issues surrounding sampling and significance.

CO4. To understanding of Statistical applications in Economics and Management and to deal with numerical and quantitative issues in business

CO5. Implement various techniques using Scilab.

Paper 5: SIT205

Name of Paper: Green Computing

CO1. Give an account of the concept green IT, environmental perspectives on IT use, standards and certifications related to sustainable IT products.

CO2. Describe green IT in relation to technology.

CO3. Evaluate IT use in relation to environmental perspectives.

CO4. Discuss how the choice of hardware and software can facilitate a more sustainable operation. CO5. Implement Green IT in Real Life.

SYBScIT

Sem-III

Paper 1 :SIT301

Name of Paper: Python Programming

- CO1. Install and use Python for simple programming tasks.
- CO2. Extend the functionality of Python by using add-on packages.
- CO3. Develop database (MySQL) application in Python.
- CO4. Create GUI based application using python CO5 Develop a project / application using python.

Paper 2 :SIT302

Name of Paper: Data Structures

- CO1. Select appropriate data structure for a specific problem.
- CO2. Implement linear and Non-linear data structure.
- CO3. Implement appropriate searching / sorting technique for given problem.
- CO4. Determine the complexity of given algorithm.
- CO5. Implement different operations on various data structures.

Paper 3 :SIT303

Name of Paper: Computer Networks

- CO1. Understand and explain Data Communications System and its components.
- CO2. Identify the different types of network topologies and protocols.
- CO3. Identify the different types of network devices and their functions within a network. CO4. Understand and building the skills of sub netting and routing mechanisms.
- CO5. Motivate the student to become network administrator.

Paper 4:SIT304

Name of Paper: Database Management Systems

CO1. Understand the importance of database management system.

CO2. Create database schema using ER model and Relational Model.

CO3. Write various SQL queries, apply various constraints, creating database objects.

CO4. Apply PL SQL concepts.

CO5. Motivate the student to work as database administrator.

Paper 5: SIT305

Name of Paper: Applied Mathematics

CO1. Apply mathematical concepts and principles to perform computations.

CO2. Develop mobile app using CORDOVA.

CO3. Create, use and analyse graphical representations of mathematical relationships.

CO4. Use knowledge and skills in different areas.

CO5. Maintain a core of mathematical and technical knowledge that is adaptable to changing technologies and provides a solid foundation for future learning.

Sem-IV

Paper 1: SIT401

Name of Paper: Core Java

CO1. Implement object-oriented programming concepts in Java.

CO2. Create and use package and interfaces in a Java.

CO3. Develop Java application using graphical user interface.

CO4. Develop windows application using applets.

CO5. Handle events and exception.

Paper 2: SIT402

Name of Paper: Introduction to Embedded Systems

CO1. Understand hardware and software required for developing Embedded system application and make a choice for it.

CO2. To design Embedded system.

CO3. Write a basic program of 8051 microcontroller.

CO4. Burn the program on 8051 microcontrollers. CO5 Motivate to develop embedded systems.

Paper 3: SIT403

Name of Paper: Computer Oriented Statistical Techniques

CO1. Apply the concepts of probability and distributions to some case.

CO2. Correlate the data of one unit to the material in other units.

CO3. Draw inferences after statistical analysis.

CO4. Use R for carrying out statistical operations. CO5 Use statistical theory in different area

Paper 4: SIT404

Name of Paper: Software Engineering

CO1. Apply the software engineering lifecycle by demonstrating competence in communication, planning, analysis, design, construction, and deployment.

CO2. Work in one or more significant application domains

CO3. Describe the role of SDLC in project development

CO4. Generate project schedule.

CO5. To use the techniques and tools necessary for engineering practice.

Paper 5: SIT405

Name of Paper: Computer Graphics and Animation

CO1. Use the basic concepts of computer graphics.

CO2. Implement various graphics algorithms.

CO3. Describe the importance of viewing and projections.

CO4. Define the fundamentals of animations.

CO5. Create animations using C language

TYBScIT

Sem-V

Paper 1: SIT501

Name of Paper: Software Project Management

- CO1. Evaluate and plan the project.
- CO2. Access the risks in project.
- CO3. Estimate the efforts for project.
- CO4. Get the knowledge of working in teams.
- CO5. Motivate to work as software engineer.

Paper 2: SIT502

Name of Paper: Internet of Things

- CO1. Apply the concepts of IOT.
- CO2. Write embedded code for IOT based applications.
- CO3. Analyse and use data received from sensors.
- CO4. Apply IOT to different applications.
- CO5. Motivate to develop IOT based applications / projects.

Paper 3: SIT503

Name of Paper: Advanced Web Programming

- CO1. Design a responsive web site and demonstrate Rich Internet Application.
- CO2. Implement interactive and dynamic web page(s) using HTML, CSS, AJAX, C# with .NET concepts.
- CO3. Develop Database Oriented web application.
- CO4. Build dynamic web site using server side .NET technology and Database connectivity.
- CO5. Motivate to work as website developer.

Paper 4: SIT504 (Elective I)

Name of Paper: Artificial Intelligence

- CO1. Understand the concept of Artificial Intelligence.
- CO2. Understand the concept of intelligent agent.
- CO3. Apply search algorithm for problem solving.
- CO4. Represent the knowledge for problem solving.
- CO5. Apply AI concepts in various development areas.

Paper 5: SIT505 (Elective I)

Name of Paper: Linux System Administration

- CO1. Install Red Hat Linux and various software on this OS.
- CO2. Configure various servers like DNS, DHCP, Mail Server etc.
- CO3. Manage the users, permissions, storage.
- CO4. Write shell scripts.
- CO5. Secure the server with iptables.

Paper 6: SIT506 (Elective II)

Name of Paper: Enterprise Java

- CO1. Develop a JAVA program using servlet.
- CO2. Develop Java Server Pages.
- CO3. Create and use JAVA beans.
- CO4. Develop Hibernate based application.
- CO5. Motivate to become a JAVA application developer.

Paper 7: SIT507 (Elective II)

Name of Paper: Next Generation Technologies

- CO1. Get familiar with the concept of Big Data, JSON, JQuery and NoSQL.
- CO2. Get hands on experience on unstructured database (MongoDB).
- CO3. Get hands on experience to connect MongoDB to PHP, Java and Python.
- CO4. Decide on the type of database used for real life application (structured or unstructured).

CO5. Apply the knowledge of big data to develop real life application.

Sem-VI

Paper 1: SIT601

Name of Paper: Software Quality Assurance

CO1. Understand software testing and quality assurance as a fundamental component of software life cycle

CO2. Provide efficient delivery of software solutions and implement improvements in the software development processes.

CO3. Create test strategies and plans, design test cases, prioritize and execute the same.

CO4. Apply software testing processes in relation to software development and project management.

CO5. To gain expertise in designing, implementation and development of computer based systems.

Paper 2: SIT602

Name of Paper: Security in Computing

CO1. Understand the security Design principles. Application design process.

CO2. Implement secure software solutions.

CO3. Understand and implement the concept of IDS and IPS.

CO4. Authenticate and authorize.

CO5. Understand and implement various concepts like database security, encryption, firewall etc.

Paper 3: SIT603

Name of Paper: Business Intelligence

CO1. Understand the basic concept of Business Intelligence.

CO2. Use various tools like SQL server, Power BI and R.

CO3. Implement various data mining algorithm.

CO4. Identify, organize and prepare data for mining purpose.

CO5. Understand various concepts related to BI like knowledge management, classification, expert system etc.

Paper 4: SIT604 (Elective I)

Name of Paper: Principles of Geographic Information Systems

CO1. Create maps, images and apps to communicate spatial data in a meaningful way to others.

CO2. Apply basic graphic and data visualization concepts such as color theory, symbolization, and use of white space.

CO3. Apply mathematical concepts, including statistical methods, to data to be used in geospatial analysis.

CO4. Demonstrate the use of GIS tools to create maps that are fit-for-purpose and effectively convey the information they are intended to.

CO5. Motivate to develop GIS based applications.

Paper 5: SIT605 (Elective II)

Name of Paper: Enterprise Networking

CO1. Understand various concepts of networking.

CO2. Understand the working of various protocols like IP, DHCP etc.

CO3. Configure different protocols.

CO4. Implement various concepts like routing using CISCO packet tracer.

CO5. Implement appropriate network protocol for real life situation.

Paper 6: SIT606 (Elective I)

Name of Paper: IT Services Management

CO1. Understand the service life cycle phases.

CO2. Understand various phases of service life cycle processes and principles and risks.

CO3. Implement the improvement process for service management.

CO4. Use the knowledge of process of service strategy, service design and service transition in real life situation.

CO5. Use the knowledge of process of service operation and CSI in real life situation.

Paper 7: SIT607 (Elective II)

Name of Paper: Cyber Laws

CO1. Knowledge of Cyberspace, Jurisdiction and basic concepts of Cyber Law

CO2. Jurisdiction in cyberspace, cybercrimes and their legal provisions in India.

CO3. Knowledge of legal provisions in Information Technology Act, 2000

CO4. Identify the issues on Internet.

CO5. Contracts in Digital world like Click-Wrap and Shrink-Wrap Contract.

MSc IT (Part -I)

Sem-I

Paper 1: PSIT101

Name of Paper: Research in Computing

CO1. Solve real world problems with scientific approach. Develop analytical skills by applying scientific methods.

CO2. Recognize, understand and apply the language, theory and models of the field of business analytics. CO3. Foster an ability to critically analyse, synthesize and solve complex unstructured business problems. CO4. Understand and critically apply the concepts and methods of business analytics.

CO5. Identify, model and solve decision problems in different settings interpret results/solutions and identify appropriate courses of action for a given managerial situation whether a problem or an opportunity.

CO6. Create viable solutions to decision making problems.

Paper 2: PSIT102

Name of Paper: Data Science

CO1. Apply quantitative modelling and data analysis techniques to the solution of real world business problems, communicate findings, and effectively present results using data visualization techniques.

CO2. Recognize and analyze ethical issues in business related to intellectual property, data security, integrity, and privacy.

CO3. Apply ethical practices in everyday business activities and make well-reasoned ethical business and data management decisions.

CO4. Demonstrate knowledge of statistical data analysis techniques utilized in business decision making. CO5. Apply principles of Data Science to the analysis of business problems.

CO6. Use data mining software to solve real-world problems.

CO7. Employ cutting edge tools and technologies to analyze Big Data.

CO8. Apply algorithms to build machine intelligence.

CO9. Demonstrate use of team work, leadership skills, decision making and organization theory.

Paper 3: PSIT103

Name of Paper: Cloud Computing

CO1. Analyze the Cloud computing setup with its vulnerabilities and applications using different architectures.

CO2. Design different workflows according to requirements and apply map reduce programming model. CO3. Apply and design suitable Virtualization concept, Cloud Resource Management and design scheduling algorithms.

CO4. Create combinatorial auctions for cloud resources and design scheduling algorithms for computing clouds

CO5. Assess cloud Storage systems and Cloud security, the risks involved, its impact and develop cloud application.

CO6. Broadly educate to know the impact of engineering on legal and societal issues involved in addressing the security issues of cloud computing.

Paper 4: PSIT104

Name of Paper: Soft Computing Techniques

CO1. Identify and describe soft computing techniques and their roles in building intelligent machines.

CO2. Recognize the feasibility of applying a soft computing methodology for a particular problem.

CO3. Apply fuzzy logic and reasoning to handle uncertainty and solve engineering problems.

CO4. Apply genetic algorithms to combinatorial optimization problems.

CO5. Apply neural networks for classification and regression problems.

CO6. Effectively use existing software tools to solve real problems using a soft computing approach.

CO7. Evaluate and compare solutions by various soft computing approaches for a given problem.

Sem-II

Paper 1: PSIT201

Name of Paper: Big Data Analytics

CO1. Understand the key issues in big data management and its associated applications in intelligent business and scientific computing.

CO2. Acquire fundamental enabling techniques and scalable algorithms like Hadoop, Map Reduce and NO SQL in big data analytics.

CO3. Interpret business models and scientific computing paradigms, and apply software tools for big data analytics.

CO4. Achieve adequate perspectives of big data analytics in various applications like recommender systems, social media applications etc

CO5. Understand the field of big data analytics.

Paper 2: PSIT202

Name of Paper: Modern Networking

- CO1. Demonstrate in-depth knowledge in the area of Computer Networking.
- CO2. Demonstrate scholarship of knowledge through performing in a group to identify, formulate and solve a problem related to Computer Networks
- CO3. Prepare a technical document for the identified Networking System
- CO4. Conducting experiments to analyze the identified research work in building Computer Networks
- CO5. Understand the research in networking.

Paper 3: PSIT203

Name of Paper: Microservice Architecture

- CO1 Develop web applications using Model View Control.
- CO2 Create MVC Models and write code that implements business logic within Model methods, properties, and events.
- CO3 Create Views in an MVC application that display and edit data and interact with Models and Controllers.
- CO4 Gaining a thorough understanding of the philosophy and architecture of .NET Core.
- CO5 Understanding packages, metapackages and frameworks.
- CO6 Acquiring a working knowledge of the .NET programming model.
- CO7 Implementing multi-threading effectively in .NET applications.

Paper 4: PSIT204

Name of Paper: Image Processing

- CO1 Understand the relevant aspects of digital image representation and their practical implications.
- CO2 Have the ability to design pointwise intensity transformations to meet stated specifications.
- CO3 Understand 2-D convolution, the 2-D DFT, and have the ability to design systems using these concepts.

CO4 Have a command of basic image restoration techniques.

CO5 Understand the role of alternative color spaces, and the design requirements leading to choices of color space.

CO6 Appreciate the utility of wavelet decompositions and their role in image processing systems.

CO7 Have an understanding of the underlying mechanisms of image compression, and the ability to design systems using standard algorithms to meet design specifications.

MSc IT (Part -II)

Sem-III

Paper 1: PSIT301

Name of Paper: Technical Writing and Entrepreneurship Development

CO1. Develop technical documents that meet the requirements with standard guidelines. Understanding the essentials and hands-on learning about effective Website Development.

CO2. Write Better Quality Content Which Ranks faster at Search Engines. Build effective Social Media Pages.

CO3. Evaluate the essentials parameters of effective Social Media Pages.

CO4. Understand importance of innovation and entrepreneurship.

CO5. Analyze research and development projects.

Paper 2: PSIT302a

Name of Paper: Applied Artificial Intelligence

CO1. Learner will be able to understand the fundamentals concepts of expert system and its applications.

CO2. Learner will be able to use probability and concept of fuzzy sets for solving AI based problems.

CO3. Learner will be able to understand the applications of Machine Learning. The learner can also apply fuzzy system for solving problems.

CO4. Learner will be able to apply to understand the applications of genetic algorithms in different problems related to artificial intelligence.

CO5. A learner can use knowledge representation techniques in natural language processing.

Paper 2: PSIT302b

Name of Paper: Computer Vision

CO1. Understand the basics of computer vision

CO2. Understand and analyse various structure from motion and various estimates of Dense Motion

CO3. Apply various motion models to images and understand computation photography techniques

CO4. Apply Epipolar geometry , Rectification and various other 3D correspondence and Stereo reconstruction techniques

CO5. Understand image-based rendering and reconstruction

Paper 2: PSIT302c

Name of Paper: Cloud Application Development

CO1. Develop the Microservices for cloud and deploy them on Microsoft Azure.

CO2. Build and deploy services to Azure Kubernetes service.

CO3. Understand and build the DevOps way.

CO4. Thoroughly build the applications in the DevOps way.

CO5. Build the APIs for Microsoft Azure and AWS.

Paper 2: PSIT302d

Name of Paper: Security Breaches and Countermeasures

CO1. The learner should be able to identify the different security breaches that can occur. The learner should be able to evaluate the security of an organization and identify the loopholes. The learner should be able to perform enumeration and network scanning.

CO2. The learner should be able to identify the vulnerability in the systems, breach the security of the system, identify the threats due to malware and sniff

the network. The learner should be able to do the penetration testing to check the vulnerability of the system towards malware and network sniffing.

CO3. The learner should be able to perform social engineering and educate people to be careful from attacks due to social engineering, understand and launch DoS and DDoS attacks, hijack and active session and evade IDS and Firewalls. This should help the learners to make the organization understand the threats in their systems and build robust systems.

CO4. The learner should be able to identify the vulnerabilities in the Web Servers, Web Applications, perform SQL injection and get into the wireless networks. The learner should be able to help the organization aware about these vulnerabilities in their systems.

CO5. The learner should be able to identify the vulnerabilities in the newer technologies like mobiles, IoT and cloud computing. The learner should be able to use different methods of cryptography.

Paper 3: PSIT303a

Name of Paper: Machine Learning

CO1. Understand the key issues in Machine Learning and its associated applications in intelligent business and scientific computing.

CO2. Acquire the knowledge about classification and regression techniques where a learner will be able to explore his skill to generate data base knowledge using the prescribed techniques.

CO3. Understand and implement the techniques for extracting the knowledge using machine learning methods.

CO4. Achieve adequate perspectives of big data analytics in various applications like recommender systems, social media applications etc.

CO5. Understand the statistical approach related to machine learning. He will also Apply the algorithms to a real-world problem, optimize the models learned and report on the expected accuracy that can be achieved by applying the models.

Paper 3: PSIT303b

Name of Paper: Biomedical Image Processing

- CO1. Understand basics of Bio signals and various classical techniques of bio signal processing.
- CO2. Understand various modern spectral analysis techniques.
- CO3. Understand and apply various multivariate analysis techniques on bio signals.
- CO4. Understand and apply various transformations filters to images, and different techniques for image acquisition and construction.
- CO5. Understand the AI perspective in biological image processing using SVM and Neural Networks.

Paper 3: PSIT303c

Name of Paper: Cloud Management

- CO1. Understand the concepts of VMM, SDN, NAS ,HyperV etc.
- CO2. Understand and demonstrate the use of Service manager with various deployments that can be performed using it.
- CO3. Understand SCCM and Demonstrate the use of Configuration Manager
- CO4. Understand automation with runbooks and demonstrate the use of Windows Orchestrator
- CO5. Understand and demonstrate the use of Data Protection Manager

Paper 3 :PSIT303d

Name of Paper :Malware Analysis

- CO1. Understand various introductory techniques of malware analysis and creating the testingenvironment
- CO2. Perform advanced dynamic analysis and recognize constructs in assembly code.
- CO3. Perform Reverse Engineering using OLLYDBG and WINDBG and study the behavioursand functions of malware.

CO4. Understand data encoding, various techniques for anti-disassembly and anti-debugging.

CO5. Understand various anti virtual machine techniques and perform shellcode analysis of various languages along with x64 architecture.

Paper 4 :PSIT304a

Name of Paper :Robotic Process Automation

CO1. Understand the mechanism of business process and can provide the solution in an optimized way.

CO2. Understand the features used for interacting with database plugins.

CO3. Use the plug-ins and other controls used for process automation.

CO4. Use and handle the different events, debugging and managing the errors.

CO5. Test and deploy the automated process.

Paper 4:PSIT304b

Name of Paper :Virtual Reality and Augmented Reality

CO1. Apply the concepts of VR and AR in real life.

CO2. Reduce the greatest risk to VR.

CO3. Design the way users interact within the scenes they find themselves in.

CO4. be exposed to VR, AR and today's resources

CO5. Effectively use open source VR software.

Paper 4 :PSIT304c

Name of Paper :Data Centre Technologies

CO1. Understand basic concepts in Virtualization.

CO2. Understand concepts of Load Balancing and Aggregation /virtual switching.

CO3. Understand Data center Migration and Fabric Building

CO4. Understand various Changes in Server Architecture

CO5. Understand the concepts of Cloud computing and how to move towards a cloud computing technology.

Paper 4 :PSIT304d

Name of Paper :Offensive Security

CO1. Understand basic security issues in cloud, IoT etc.

CO2. Understand different security techniques and policies.

CO3. Use Vulnerability assessment and exploitation tool.

CO4. Analyze the network perform reconnaissance and enumerate the target to detect vulnerabilities.

CO5. Perform offensive tests using Metasploit on various application, generating payloads etc.

MSc IT (Part -II)

Sem-IV

Paper 1 : PSIT401

Name of Paper :Blockchain

CO1. The learners would understand the structure of a blockchain and why/when it is better than a simple distributed database.

CO2. Analyze the incentive structure in a blockchain based system and critically assess its functions, benefits and vulnerabilities.

CO3. Evaluate the setting where a blockchain based structure may be applied, its potential and its limitations.

CO4. Understand what constitutes a “smart” contract, what are its legal implications and what it can and cannot do, now and in the near future.

CO5. Develop blockchain DApps.

Paper 2 :PSIT402a

Name of Paper :Natural Language Processing

CO1. Learners will get idea about know-hows, issues and challenge in Natural Language

Processing and NLP applications and their relevance in the classical and modern context.

CO2. Learner will get understanding of Computational techniques and approaches for solvingNLP problems and develop modules for NLP tasks and tools such as Morph Analyzer, POStagger, Chunker, Parser, WSD tool etc.

CO3. Learners will also be introduced to various grammar formalisms, which they can apply indifferent fields of study.

CO4. Learners can take up project work or work in R&D firms working in NLP and its alliedareas.

CO5. Learner will be able to understand applications in different sectors.

Paper 2 : PSIT402b

Name of Paper :Digital Image Forensics

CO1. Understand the basics of image forensics and techniques to establish their integrity.

CO2. Understand different techniques for extracting detail from images.

CO3. Understand and apply various advanced techniques in image processing and to compare

and measure various parameters associated with them.

CO4. Apply various enhancement strategies for digital images.

CO5. Prepare the evidence to be acceptable in the court of law.

Paper 2 : PSIT402c

Name of Paper :Advanced IoT

CO1. Build smart IoT applications on Azure.

CO2. Use Microsoft cognitive APIs to build IoT applications.

CO3. Implement Blockchain in IoT.

CO4. Install and use microservices in IoT.

CO5. Build own IoT platform and use it in a customised way.

Paper 2 : PSIT402d

Name of Paper :Cyber Forensics

CO1. Investigate the cyber forensics with standard operating procedures.

CO2. Recover the data from the hard disk with legal procedure.

CO3. To recover and analyse the data using forensics tool.

CO4. Acquire the knowledge of network analysis and use it for analysing the internet attacks.

CO5. Able to investigate internet frauds done through various gadgets like mobile, laptops, tablets and become a forensic investigator.

Paper 3 : PSIT403a

Name of Paper : Deep Learning

CO1. Describes basics of mathematical foundation that will help the learner to understand the concepts of Deep Learning.

CO2. Understand and describe model of deep learning.

CO3. Design and implement various deep supervised learning architectures for text & imagedata.

CO4. Design and implement various deep learning models and architectures.

CO5. Apply various deep learning techniques to design efficient algorithms for real-world applications.

Paper 3 :PSIT403b

Name of Paper :Remote Sensing

CO1. Understand the basics of remote sensing and its various applications.

CO2. Understand the Hardware and Software aspects of Digital Image Processing and demonstrate various techniques in pre-processing data.

CO3. Demonstrate various image enhancement and transformation techniques.

CO4. Understand and Demonstrate various filtering, classification techniques along with

advanced functionalities.

CO5. Perform comparison of Field and Remotely sensed measurements using various techniques.

Paper 3 : PSIT403c

Name of Paper :Server Virtualization on VMWare Platform

CO1. Understand VMWare VSphere 67, Install ESXi and Configure VSphere Centre.

CO2. Demonstrate the use of VSphere Update Manager and Create a VSphere Network.

CO3. Understand VSphere Security, Create and configure storage devices and Perform configurations to ensure business continuity.

CO4. Demonstrate Resource allocation,Creating& managing virtual machine & use of templates

CO5. Understand automation of vSphere and manage resource allocation.

Paper 3 : PSIT403d

Name of Paper :Security Operations Center

CO1. Understanding basics of SOC, Cryptography and managing and deploying VPNs.

CO2. Analyse Windows and Linux based logs along with logs generated by endpoints.

CO3. Understand and analyze various forms of intrusions, threats and perform forensic analysis on them.

CO4. Understand the incident response process and handle incidents by adhering to compliance policies and standards set by the organization.

CO5. Understand the various types of attacks and vulnerabilities, categorize events and perform incident analysis.

Paper 4 :PSIT404a

Name of Paper :Human Computer Interaction

CO1. have a clear understanding of HCI principles that influence a system's interface design,before writing any code.

CO2. understand the evaluation techniques used for any of the proposed system.

CO3. understand the cognitive models and its design.

CO4. able to understand how to manage the system resources and do the task analysis.

CO5. able to design and implement a complete system.

Paper 4 : PSIT404b

Name of Paper :Advanced Applications of Image Processing

CO1. Understand the advanced applications of Image processing.

CO2. Understand the application of image processing pattern recognition, encryption and imageenhancement.

CO3. Understand and apply the image processing techniques in identification of foreign bodyusing radiography, watermarking techniques.

CO4. Apply the image processing techniques to robot vision, biometrics, human tracking usingwireless camera.

CO5. Apply image processing in steganography, expert systems through GIS based cloud.

Paper 4 : PSIT404c

Name of Paper :Storage as a Service

CO1. Understand different techniques of storage and RAID Technologies

CO2. Understand different intelligent storage technologies. Also, understand the benefits of FibreChannel Storage Networks along with iSCSI.

CO3. Understand the architecture of NAS and deployment along with Object based and unifiedstorage technologies. Also, the learner will be able to configure the storage devices tomaintain highest level of availability

CO4. Understand Replication and Migration techniques and implement them.

CO5. Understand Different techniques for managing and securing storage infrastructure.

Paper 4 : PSIT404d

Name of Paper :Information Security Auditing

CO1. Understand various information security policies and process flow, Ethics of an Information security Auditor.

CO2. Understand various information systems in an organization, their criticality and various governance and management policies associated with them.

CO3. Critically analyse various operational strategies like asset management, data governance etc. and suggest requisite changes as per organizations requirements with improvements.

CO4. Understand the information flow across the organization and identify the weak spots, and also suggest improvements to strengthen them.

CO5. Come up with strong strategies to protect information assets and come up with an efficient business continuity plan, disaster recovery strategy etc.

DEPARTMENT OF BIO-TECHNOLOGY

F.Y.BSc Sem I

SBT 101

Basic Chemistry I

Course Objective: To acquaint the students with basic concepts of Chemistry like Classification and Nomenclature of Chemical compounds

Learning Outcome: To impart hands-on skills in preparation of Buffers and Solutions

SBT 102

Basic Chemistry II

Course Objective: To acquaint students with Concepts of Stereochemistry

Learning Outcome: To impart knowledge of Titrimetric and Volumetric Estimations and handling of basic Analytical Techniques like Chromatography and Colorimetry

SBT 103

Life Science I

Biodiversity and Cell Biology

Course Objectives: To acquaint students with concept of Biodiversity and Cell Biology

Learning Outcome: To impart skills in handling and culture of Microorganisms

SBT 104

Life Science II

Microbial Techniques

Course Objectives: To acquaint students with basic techniques in Staining and Sterilization

Learning Outcome: To impart the knowledge of growth of microorganisms

SBT 105

Biotech I

Introduction to Biotechnology

Course Objectives: To acquaint students with various fields of Biotechnology and their applications

Learning Outcome: To impart the knowledge of Food Technology and Fermentation Techniques

SBT 106**Biotech II****Molecular Biology**

Course Objectives: To acquaint students with DNA Replication, Repair and Genetic Engineering

Learning Outcome: Impart the knowledge of Molecular Biology Techniques

F.Y.BSc Sem II**SBT 201****Basic Chemistry I****Bioorganic Chemistry**

Course Objectives: To acquaint students with Bioorganic Molecules

Learning Outcome: To impart the knowledge of Classification, Structure and Characterization of Biomolecules

SBT 202**Basic Chemistry II****Physical Chemistry**

Course Objectives: To acquaint students with concepts in Thermodynamics, Kinetics and Redox Reactions

Learning Outcome: To impart skills in Kinetics and Chemical Reactions

SBT 203**Life Science I****Physiology and ecology**

Course Objectives: To acquaint students with Physiological Processes in Plants and Animals

Learning Outcome: To impart the knowledge of Physiology and Ecology

SBT 204

Life Science II

Genetics

Course Objectives: To acquaint students with concepts in Genetics

Learning Outcome: To impart skills in Techniques of Genetic Analysis and Population Genetics

SBT 205

Biotech I

Tissue Culture & Scientific

Writing and Communication

Skills

Course Objectives: To acquaint students with Techniques of Plant and Animal Tissue Culture

Learning Outcome: To impart the skills of PTC, ATC and Science Communication

SBT 206

Biotech II

Enzymology, Immunology and

Biostatistics

Course Objectives: To acquaint students with concepts in Enzymology, Immunology and Biostatistics

Learning Outcome: To impart the skills in Enzyme Kinetics, Immunological Techniques and Biostatistics

S.Y.BSc Sem III

SBT 301

Biophysics

Course objectives:

The objective of this course is to have a firm foundation of the fundamentals and applications

of current biophysical theories.

Learning outcomes:

By the end of the course the student will:

- Develop an understanding of the different aspects of classical Physics.
- Be able to relate principles of Physics to applications and techniques in the field of Biology such as Microscopy, Spectroscopy and Electrophoresis.

SBT 302

Applied chemistry I

Course objectives:

The objective of this course is to have a firm foundation of the fundamentals and applications of Organic and Green Chemistry.

Learning outcomes: By the end of the course the student will be able to:

- Develop an understanding of the different aspects of Organic and Green Chemistry.
- Discuss role of Organic Compounds in Biology and Synthesis of Organic Compounds.
- Discuss role of Green Chemistry and its application in Industry.

SBT 303

Immunology

Course objectives:

The objective of this course is to familiarize students with the Immune Effector Mechanisms and various Immunotechniques.

Learning outcomes: By the end of the course the student will be able to:

- Understand the role of different types of Cells, Effector Molecules and Effector Mechanisms in Immunology.

- Understand the principles underlying various Immunotechniques.

SBT 304

Cell biology and cytogenetics

Course objectives:

The objective of this course is to have a firm foundation in the fundamentals of Cell Biology and Cytogenetics.

Learning outcomes: By the end of the course the student will be able to:

- Develop an understanding of the Cytoskeleton and Cell Membrane.
- Discuss the structure of Chromosomes and types of Chromosomal Aberrations.
- Discuss the principles underlying Sex Determination, Linkage and Mapping.

SBT 305

Molecular Biology

Course objectives:-

The objective of this course is to have an insight into mechanism of Gene Expression and Regulation.

Learning outcomes:-By the end of the course the student will be able to:

- Discuss the mechanisms associated with Gene Expression at the level of Transcription and Translation.
- Discuss the mechanisms associated with Regulation of Gene Expression in Prokaryotes and Eukaryotes

SBT 306

Bioprocess technology

Course objectives:

The objective of this course is to understand the basics skills applied in Fermentation Technology and build a foundation for more advanced studies in Bioprocess Technology.

Learning outcomes: By the end of the course the student will be able to:

- Develop an understanding of the various aspects of Bioprocess Technology.
- Develop skills associated with screening of Industrially Important Strains.
- Understand principles underlying design of Fermentor and Fermentation Process.

SBT 307

Research methodology

Course objectives:

The objective of this course is to develop Research Aptitude, Logical Thinking and Reasoning.

Learning outcomes: By the end of the course the student will be able to:

- Understand basic principles of Research Methodology and identify a Research Problem.
- Understand a general definition of Research Design.
- Identify the overall Process of Designing a Research Study from its inception to its Reporting

S.Y.BSc Sem IV

SBT 401

Biochemistry

Course objectives:

The objective of this course is to gain an insight into the Metabolic Processes associated with

Catabolism of Carbohydrates, Amino Acids, Lipids and Nucleotides.

Learning outcomes: By the end of the course the student will be able to

- Discuss the Metabolic Pathways of Carbohydrates, Amino Acids, Lipids and Nucleotides.
- Explain the Role of Energy Rich Molecules in Metabolism.

SBT 402

Applied chemistry

II

Course objectives:

The objective of this course is to have a firm foundation of the fundamentals and applications

of current Chemical Theories for the Physical World.

Learning outcomes: By the end of the course the student will:

- Develop an understanding of the different aspects of Analytical Chemistry.
- Gain knowledge of Natural Product Chemistry and related acquired skills.
- Gain an understanding of basic concepts in Polymer Chemistry and Nanomaterials.

SBT 403

Medical

microbiology

Course objectives:

The objective of this course is to gain insight into Disease Factors and Processes and Diseases Caused by Microorganisms.

Learning outcomes: By the end of the course the student will be able to:

- List the factors playing a role in causing a disease.
- Discuss the various aspects of Systemic Infections including Causative Agents, Symptoms and Prophylaxis.
- Gain the technical capability of handling, isolating and identifying various Bacteria.

SBT404

Environmental Biotechnology

Course objectives:

The objective of this course is to gain awareness about different Types of Environmental Pollution and Related Issues.

Learning outcomes: By the end of the course the student will be able to:

- Gain an understanding of the causes, types and control methods for Environmental Pollution.
- Application of different life forms in Environmental Remediation.

SBT 405

Bioinformatics and Biostatistics

Course objectives:

The objective of this course is learning and understanding basic concepts of Bioinformatics and Biostatistics.

Learning outcomes: By the end of the course the student will be able to:

- Gain an understanding of the basic concepts of Bioinformatics and Biostatistics.
- Understand the tools used in Bioinformatics.
- Apply the various Statistical Tools for Analysis of Biological Data.

SBT 406

Molecular Diagnostics

Course objectives:

The objective of this course is learning and understanding Molecular Techniques and utilizing these techniques in Diagnosis.

Learning outcomes: By the end of the course the student will be able to:

- Gain an understanding of the basic Principles used in Molecular Diagnosis.

- Gain critical thinking and analytical skills to understand new Diagnostic Methods.
- Apply the knowledge and skills gained in the course should be useful in developing new

Diagnostic Kits.

SBT 407

Entrepreneurship development

Objective:

To develop and systematically apply an Entrepreneurial way of thinking that will allow identification and creation of Business Opportunities.

Learning Outcome: By the end of the course the student will be able to:

- Develop an understanding of the systematic process and to select and screen a Business Idea.

- Design strategies for successful implementation of ideas.
- Write a Business Plan.

T.Y.BSc Sem V

SBT 501

Cell Biology

Course objectives:

The objective of this course is to have a firm foundation in the fundamentals of Cell Biology.

Learning outcomes: By the end of the course the student will be able to:

- Develop an understanding of the Cytoskeleton and Cell Membrane.
- Discuss the structure of Microtubules, microfilaments.

SBT 502

Medical Microbiology and instrumentation

Course objectives:

The objective of this course is to familiarize students with various infectious agents and the role of chemotherapy and instruments and various Immunotechniques.

Learning outcomes: By the end of the course the student will be able to:

- Understand the Mechanisms of the actions of different chemotherapeutic drugs for treatment of various infections..
- Understand the principles underlying various Instruments.

SBT 503

Genomics and Molecular biology

Course objective:

To acquaint students with Genetic Engineering and genetic mapping.

Learning Outcome :By the end of the course the student will be able to:

- Understand molecular Biology tools and Techniques
- Develop an understanding of transgenics.

SBT 504

MarineBiotechnology

Course objectives:

The objective of this course is to understand the basics in marine biotechnology and its applications.

Learning outcomes: By the end of the course the student will be able to:

- Develop an understanding of the various aspects of marine biotechnology.
- Understand principles underlying design of marine drugs, functional foods, nutraceuticals , bioprospecting, and bioresources.

T.Y.BSc Sem VI

SBT 601

Biochemistry

Course objectives:-

The objective of this course is to have a firm foundation in applied biochemistry.

Learning outcomes:-By the end of the course the student will be able to:

- Develop an understanding of protein biochemistry and metabolism.
- Get the basic knowledge about endocrinology.
- Gain the knowledge regarding various biochemical aspects of nutrition.

SBT602

Industrial Microbiology

Course objectives:-

The objective of this course is understand principles underlying various fermentation aspects.

Learning outcomes:-By the end of the course the student will be able to:

- Understand dairy technology.
- Understand the principles underlying downstream processing and fermentation processes.
- Get knowledge about QA-QC.

SBT 603

Basic Toxicology and Neurochemistry

Course objectives:

The objective of this course is learning and understanding basic concepts of pharmacology, basic toxicology and neurochemistry.

Learning outcomes: By the end of the course the student will be able to:

- Gain an understanding of the basic concepts of pharmacology, basic toxicology and neurochemistry.
- Understand drug absorption, distribution and regulation.

SBT 604

Environmental Biotechnology

Course objectives:-

The objective of this course is to understand different aspects of waste treatment and management.

Learning outcomes:-By the end of the course the student will be able to:

- Develop an understanding of the various renewable sources of energy.
 - understand the concept of Biosensors.
 - Understand principles underlying industrial effluent treatment, waste water treatment, and hazardous waste management.
-

B.VOC.

Department Of B.Voc (Tourism and Hospitality)

PSOs B.Voc(Tourism and Hospitality)

Students will be able to...

PSO1 To make students acquainted with different facets of Tourism Industry.

PSO2 To Help students develop holistic development as a professional.

PSO3 To enable students acquire skills helpful in Tourism Industry.

PSO4 To make students industry ready.

PSO05 To Establish Industry-academia connect for the benefit of the students.

➤ Course Outcomes

FYB.Voc : Paper 1: Number of the Paper : 1

Name Of the paper : Communication Skills In English

Students will be able to.....

CO1 Develop competence in using various registers and styles of English used in the business world.

CO2 Gain competence in group communication.

CO3 Gain command over formal correspondence.

CO4 Improve their soft skills.

CO0 Enhance Listening, Speaking, Reading, and Writing skills to meet the 5 challenges in communication.

FYB.Voc : Paper 2: Number of the Paper : 2

Name Of the paper : Communication Skills In French

Students will be able to.....

CO1 Introduce themselves and others in French language.

CO2 To gain knowledge about France.

CO3 Gain command over basic sentence formation in French.

CO4 Gain knowledge of basic vocabulary in French.

CO05 Enhance Listening, Speaking, Reading, and Writing skills to meet the challenges in communication.

FYB.Voc : Paper 3: Number of the Paper : 3

Name Of the paper :Foundation Course I: General Awareness And Etiquette

Students will be able to.....

- CO1 Define and describe the nature of Indian society.
- CO2 To be able to co-elate the global challenges faced by humanity and also global trends with respect to the Indian society.
- CO3 Explain techniques of communication prevalent globally.
- CO4 Develop a global personality within the framework of indigenous needs.
- CO05 Disseminate knowledge gained, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and be in a position to evaluate the value of information acquired.

FYB.Voc : Paper 4: Number of the Paper : 4

Name Of the paper :Introduction to Computers

Students will be able to.....

- CO1 Understand the concepts in Microsoft word, Excel, PowerPoint, MS access.
- CO2 Create a meaningful word document.
- CO3 Create an excel sheet and format it.
- CO4 Create a presentation in effective manner.
- CO05 Handle the database and create a form for communicate with database.

FYB.Voc : Paper 5: Number of the Paper : 5

Name Of the paper :Skill Component

Students will be able to.....

- CO1 Understand different types of tourism like Leisure, Cultural, Adventure, Medical, Religious etc.

- CO2 Get good knowledge of Tourism infrastructure like Terminals, Roadways, Railways, Waterways, Accommodation.
- CO3 Planning of itineraries by using guidelines like pace, Routing, Interest, Details & Energy.
- CO4 Familiarisation with travel documents like passports, visas, travels insurance.
- CO05 Preparing quotations for the clients going for domestic tours.
- CO06 Understand the impacts of Tourism.

FYB.Voc : Paper 6: Number of the Paper : 6

Name Of the paper : Business Communication

Students will be able to.....

- CO1 Develop competence in using various registers and styles of English used in the business world.
- CO2 Gain competence in group communication.
- CO3 Gain command over formal communication.
- CO4 Improve their soft skills.

FYB.Voc : Paper 7: Number of the Paper : 7

Name Of the paper : Communication Skills in French

Students will be able to.....

- CO1 Acquire the necessary communication skills required for day to day shopping.
- CO2 To gain knowledge about seasons in France.
- CO3 Express their interests.
- CO4 Gain knowledge about tourist brochures.

FYB.Voc : Paper 8: Number of the Paper : 8

Name Of the paper :Foundation Course II -CULTURAL AWARENESS.

Students will be able to.....

- CO1 Explain the indigenous cultural trends and diversity across the globe.
- CO2 Explore different evidence as narratives of cultural diversity.
- CO3 Use the evidence of culture to popularize the tourism sector.
- CO4 Describe and generate commercial benefits out of the intangible cultural aspects.
- CO05 Disseminate and utilise cultural awareness in tourism, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and be in a position to evaluate the value of information acquired as well as develop the required skill set for working as a professional in the tourism industry.

FYB.Voc : Paper 9: Number of the Paper : 9

Name Of the paper : Principles of Management

Students will be able to.....

- CO1 It gives awareness to students about management and its functions.
- CO2 It makes understand to student about various management theories and practices.
- CO3 Improve their talent and human skills.
- CO4 Principles of management give the base of management and help in decision making.

FYB.Voc : Paper 10: Number of the Paper : 10

Name Of the paper :Tourism and Hospitality: Skill Component

Students will be able to.....

- CO1 Production of tours, Groups and Luxury travel.
- CO2 Production of special interest tours.

CO3 Arrange Meetings & Conferences and Incentive travel.

CO4 Familiarisation with the famous tourist destinations within India.

SYB.Voc : Paper 1: Number of the Paper : 1

Name Of the paper :History of Tourism (India)

Students will be able to.....

CO1 Describe the functioning of tourism industry in India, Understand the potential of Heritage Tourism in India and have information about governmental regulations with respect to the Indian Heritage sites.

CO2 Recall major tourist destinations in India.

CO3 Explain recent trends in tourism industry of India.

CO4 Plan an itinerary of popular tourist destinations in India.

CO05 Disseminate knowledge about landmark events in the tourism industry, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and be in a position to evaluate the value of information acquired.

SYB.Voc : Paper 2: Number of the Paper : 2

Name Of the paper :MEDIA AND ADVERTISING

Students will be able to.....

CO1 To provide the students with basic understanding of media & advertising, growth, importance and types.

CO2 To understand effective advertising campaigns, tools, etc.

CO3 To comprehend the role of advertising , various departments, careers and creativity

SYB.Voc : Paper 3: Number of the Paper : 3

Name Of the paper :Accountancy I

Students will be able to.....

- CO1 Understand the basic concepts, fundamentals and assumptions of Accountancy.
- CO2 Understand and draft basic book-keeping vouchers.
- CO3 Post basic journal and ledger entries.
- CO4 Prepare Final Accounts for proprietary concerns.

SYB.Voc : Paper 4: Number of the Paper : 4

Name Of the paper :Organizational Behaviour I

Students will be able to.....

- CO1 Demonstrate understanding of the basic concepts and theories of Psychology.
- CO2 Comprehend various facets of organizational functioning.
- CO3 Appreciate dynamics of various influences on work processes.
- CO4 Apply different theoretical concepts of organizational psychology in the work setting in general and industry of Travel and Tourism in particular.
- CO05 Feel interested and motivated to pursue further study in organizational behaviour in the industry of Travel and Tourism.

SYB.Voc : Paper 5: Number of the Paper : 5

Name Of the paper :Tourism & Hospitality- Skill Component

Students will be able to.....

- CO1 Good Knowledge of world maps, 3 letter city & airport codes.
- CO2 Awareness of Airline industry specific terminology & Baggage Handling procedures.
- CO3 Good Knowledge of Airline alliances and loyalty programs.
- CO4 Increase awareness about cruises and luxury trains.

CO05 Identity IATA traffic conference areas and sub areas.

SYB.Voc : Paper 6: Number of the Paper : 6

Name Of the paper :History of Tourism (World)

Students will be able to.....

- CO1 Describe the global role of tourism.
- CO2 Explain how development of transportation led to growth of tourism.
- CO3 Get acquainted with major tourist destinations in the world.
- CO4 Explain recent trends in the world tourism industry.
- CO05 Disseminate knowledge about landmark world events, comprehend and express lessons learnt in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learnt, establish a connect with present situations and be in a position to evaluate the value of information acquired as well as develop the required skill set for working as a professional in the tourism industry.

SYB.Voc : Paper 6: Number of the Paper : 6

Name Of the paper :MEDIA AND ADVERTISING

Students will be able to.....

- CO1 Learners shall understand the process of planning & production of the advertisements and brand portfolio.
- CO2 To highlight the importance of visual language as an effective way of communication.
- CO3 To provide practical training in the field of advertising & make the learner industry ready.

SYB.Voc : Paper 7: Number of the Paper : 7

Name Of the paper :Organizational Behaviour I

Students will be able to.....

- CO1 Demonstrate understanding of the basic concepts and theories of

Psychology.

- CO2 Comprehend various facets of organizational functioning.
- CO3 Appreciate dynamics of various influences on work processes.
- CO4 Apply different theoretical concepts of organizational psychology in the work setting in general and industry of Travel and Tourism in particular
- CO05 Feel interested and motivated to pursue further study in organizational behaviour in the industry of Travel and Tourism.

SYB.Voc : Paper 8: Number of the Paper : 8

Name Of the paper :Accountancy I

Students will be able to.....

- CO1 Understand the basic concepts of Marginal Costing - Contribution, Break-even analysis and its application in decision making
- CO2 Analyze and decide on application of funds and make business decisions
- CO3 Understand the process of determination of operating cost
- CO4 Understand basics of GST and applicability of GST in Tourism industry

SYB.Voc : Paper 10: Number of the Paper : 10

Name Of the paper :Tourism & Hospitality

Students will be able to.....

- CO1 Establish correct airfares, as errors in calculation may lead to the rejection of ticket by airlines causing losses to agency by the way of Agency Debit Memo.
- CO2 Calculate fares for one way, round trip & circle trip journeys
- CO3 Reading E-Tickets & Electronic Miscellaneous Documents
- CO4 Use GDS for checking Timetables, availability of airlines, build PNR display and quote air fares

TYB.Voc : Paper 1: Number of the Paper : 1

Name Of the paper :Tourism Geography

Students will be able to.....

- CO1 Co-relate Geographical events and distributions with tourism growth of different centres
 - CO2 Gain competence in Analysing economic, socio-cultural and environmental data to interpret their impact on tourist destinations.
 - CO3 Gain command over analyse the tourism impacts on the physical and local populations
 - CO4 Orient to the logistics of tourism industry and the role of tourism in the regional development
- Develop competence in Developing critical thinking skills about the processes of tourism development in relation to the ethics.

TYB.Voc : Paper 2: Number of the Paper : 2

Name Of the paper :Marketing

Students will be able to.....

- CO1 Get the basic understanding of various marketing concepts and its significance to the organisation.
- CO2 Demonstrate strong conceptual knowledge in the functional area of marketing management.
- CO3 Demonstrate analytical skills in identification and resolution of problems pertaining to marketing.

TYB.Voc : Paper 3: Number of the Paper : 3

Name Of the paper :HUMAN RESOURCE MANAGEMENT

Students will be able to.....

- CO1 Get the basic understanding of nature of human resource and its

significance to the organisation.

- CO2 Demonstrate strong conceptual knowledge in the functional area of managing human resources.
- CO3 Demonstrate analytical skills in identifying the challenges in managing human resources and resolving them.

TYB.Voc : Paper 4: Number of the Paper : 4

Name Of the paper :Entrepreneurship for Tourism and Hospitality

Students will be able to.....

- CO1 Explain fully the concept of entrepreneurship, the scope of entrepreneurship in tourism& hospitality, its role in economic development, identify skills required for a successful entrepreneurship and assess the participation of women entrepreneurs in tourism& hospitality.
- CO2 Examine types of business models in tourism& hospitality, understand the process of a start-up business, prepare a business plan that will include organizational structure, financial requirements and identify sources of procuring the required funds.
- CO3 Take cognizance of the government measures in the promotion of start-ups, the regulatory measures applied to business and seek the possibility of foreign collaborations.
- CO04 Describe various management functions of setting up and operating a tourism &hospitality enterprise, tapping opportunities for growth, making risk assessment in operating a venture and prepare crisis management models for meeting challenges in the tourist& hospitality industry and institutional structure.
- CO05 Prepare a business plan, comprehend, and express lessons learned in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learned, establish a connection with present situations and be in a position to evaluate

the value of information acquired.

TYB.Voc : Paper 5: Number of the Paper : 5

Name Of the paper :SKILL component- Tourism & Hospitality

Students will be able to.....

- CO1 Classify hotels on the basis of size, location, clientele & level of service.
- CO2 Understanding different sections of front office like Reservation, Reception, Cash & bills
- CO3 Familiarization with departure procedures like cash settlement ,credit settlement,
Potential check out problems
- CO04 Get good knowledge of night audit, reconciling transactions, verifying no – shows
- CO05 Book hotel rooms by using Amadeus reservation systems

TYB.Voc : Paper 6: Number of the Paper : 6

Name Of the paper :Sustainable Tourism

Students will be able to.....

- CO1 Co-relate Geographical and ecological events and distributions with Sustainable Tourism growth of different centers.
- CO2 Gain competence in Analyzing economic, socio-cultural and environmental data to interpret their impact on Sustainable tourist destinations.
- CO3 To plan and assess process of economic development through Sustainable tourism
- CO04 Orient to the logistics of tourism industry and the role of various forms of sustainable tourism in the regional development
- CO05 Competence in Developing critical thinking skills about the processes of tourism development in relation to the ethics.

TYB.Voc : Paper 7: Number of the Paper : 7

Name Of the paper :CRISIS MANAGEMENT IN TOURISM AND HOSPITALITY

Students will be able to.....

- CO1 Explain the concept of crisis management in tourism & hospitality, comprehend the need for developing techniques of crisis management and types of crisis in the operation of tours, acquaint with legal issues related to crisis management.
- CO2 Recognize different stages of Crisis Management, understand preparation required for Emergency Response, assess the crisis, develop strategies in handling Media response to crises and for planning business continuity.
- CO3 Describe the role of governing bodies and localized support system in crisis management during a conducted tour and grasp the difference between eastern and western countries in crisis management of tourism & hospitality.
- CO04 Develop a crisis management model as part of a tourist & hospitality organizational structure, grasp the importance of appointing qualified staff for successful tour operations, the significance of continuous SWOT analysis of the organization and procure customer feedback to update crisis management skills.
- CO05 disseminate knowledge about crisis management in tourism & hospitality, comprehend and express lessons learned in the form of answers, apply the information acquired in assignments and presentations, examine critically what they have learned, establish a connection with present situations and be in a position to evaluate the value of information acquired.

TYB.Voc : Paper 8: Number of the Paper : 8

Name Of the paper :Service Management

Students will be able to.....

- CO1 About service sectors and service management
- CO2 Failure of services, recovery and satisfaction of consumer
- CO3 Importance of service quality
- CO04 Different skills and technology required for customer services.

TYB.Voc : Paper 9: Number of the Paper : 9

**Name Of the paper :Entrepreneurship in Tourism and Hospitality
(Internship)**

Students will be able to.....

- CO1 Design a tour package according to the market needs.
- CO2 Manage the back office of tourist firm, provide customer service and will manage risks and crises related to the tourist industry.
- CO3 Conduct a survey to assess the feasibility of a tour package and explore new destinations and participate in marketing of the tourist business.
- CO04 Become a leader in promoting cultural understanding and practice principles of sustainable tourism.
- CO05 Apply information gained and lessons learned in creating their own tourist venture, examine critically what they have learned, establish a connection with present situations and be in a position to evaluate the value of information acquired.

TYB.Voc : Paper 10: Number of the Paper : 10

Name Of the paper :Tourism & Hospitality

Students will be able to.....

- CO1 Improved knowledge of major geographical features
- CO2 Improved Knowledge of World tourist destinations & attractions
- CO3 Using computer reservation system for itinerary pricing and issuing tickets