

The Kelkar Education Trust's
V G Vaze College of Arts, Science and Commerce
(Autonomous)



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Syllabus for F.Y.BCom Under NEP 2020

(June 2023 Onwards)

Program: B.com

Semester 1

Course: Value Education Course (VEC)

Course Code	Paper Title	Credit
VGUVUE103	Environmental Studies-I	02

1. Syllabus as per **Choice Based Credit System**

- i) Name of the Programme : F.Y.BCom
- ii) Course Code :
- iii) Course Title : Environmental Studies -I



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iv) Semester wise Course Contents	:	Copy of the syllabus Enclosed
v) References and additional references	:	Enclosed in the Syllabus
vi) Credit structure	:	
No. of Credits per Semester	:	02
vii) No. of lectures per Unit	:	10
viii) No. of lectures per week	:	02 per division
ix) No. of Tutorial per week	:	---

Internal Assessment 50 marks:
 Test 15 marks,

Project/ Assignment 25 marks

2 Scheme of Examination : Class Participation: 10 marks

3 Special notes, if any : No

4 Eligibility, if any : As laid down in the College
 Admission brochure / website

5 Fee Structure : As per College Fee Structure
 specifications

6 Special Ordinances / Resolutions, if any : No

Programme: F.Y.BCom

Semester: I

Course : Value Education Course (Environmental Studies- I)

Course Code :

Teaching Scheme (Hrs/Week)	Continuous Internal Assessment (CIA) 40 marks	End Semester Examination	Total
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L	T	P	C	CIA-1	CIA-2	CIA-3	CIA-4	Lab	Written	
2	-	-						-		50
Max. Time, End Semester Exam (Theory) -2Hrs.										

Prerequisite **1. Basic knowledge of environment**
2. Basic knowledge of maps and cartographic diagrams

Course Objectives

1. Impart knowledge and understanding of environmental issues
2. Develop understanding of the interdisciplinary nature of environmental studies
3. Increase an awareness of the importance of living in harmony with environment
4. Generate measures for improvement and management of the environment
5. Reading and interpretation of maps of environmentally sensitive world aspects.

Course Content

Unit No.	Module No.	Content	Lectures
1	I	<p>Environment , Ecosystems and Sustainable Development</p> <ul style="list-style-type: none"> • Need, Importance and scope of Environmental Studies- Environment- Meaning, definition, scope of Environment • Components of environment affecting Commerce ,Ecosystems - Definition, Characteristics, components and types, • Emerging Issues of development with special reference to India.(Case Studies) -concept of sustainability 	10
2	II	<ul style="list-style-type: none"> • Natural Resources • Meaning and Definition, classification and types of resources, Factors influencing resource utilization-Life cycle Analysis of the Product • Conservation of Resources- Need, Meaning and methods - Problems associated with Management of water, Forest and Energy resources –Energy Crisis and its impact: Management and Mitigation(Case Study) 	10



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		<ul style="list-style-type: none"> Resource Utilization and Sustainable Development 	
3	III	<p>Populations and Emerging Issues of Development</p> <p>a. Population growth and population distribution patterns, Demographic Transition Theory</p> <p>b. Pattern of population growth trends in the world and in India and associated problems -Population Explosion in the World and in India and arising concerns (Case study) Measures taken to control population growth in India-</p> <p>c. Concept of Carrying Capacity</p>	10
		<p>Map work (world Maps)</p> <p>Reading and interpretation of Thematic maps- Located Bars, Circles, Pie charts, Isopleths, Choropleths, Flow Maps, Pictograms</p>	
Total No. of Lectures			30

Beyond the Syllabus

Paper presentations, book reviews and visits to ecologically sensitive locations

List of Experiments	
Sr. No.	Description
1	<p>Module 1</p> <p>Basic understanding of environment and Ecology and interrelationship with man</p>
2	<p>Module 2</p> <p>Resource conservation and management</p>
3	<p>Module 3</p> <p>Population growth and immerging issues</p>



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	Map work -Reading and Interpretation of thematic world maps
Course Outcome	
Students should be able to	
CO1	Understand Environmental considerations in commerce
CO2	Highlighting Spatial differences in the world resource production and consumption & Spatial Interactions in World commerce
CO3	Realize issues related to population growth and quality of life
CO4	Reading and interpretation of maps of environmentally sensitive regional aspects.

Recommended Resources	
Text Books	
Reference Books	
	Leong and Morgan- Human and Economic Geography Oxford University Press Singh, Savinder ,2011, Environmental Geography, PrayagPustak Bhavan, Allahabad, India Gautam Alka, 2009 , Environmental Geography, ShardaPustak Bhavan Allahabad Odum E.P. 1971-Fundamentals of Ecology, w.B.saunders , Philadelphia Botkin D.B. and Keller E.A.,1995, Environmental Science , John Wiley and sons, New York MckinneyM.L. and Schoch R.M. 1998, Environmental science, Jones ans Bartlett Publishers, London Allaby M. 2002, Basics of Environmental Sciences ,Routledge, London Rao K.L.1975, India;s water Wealth , Orient Longman Ltd, New Delhi Jadhav, H. and Bhosale, V.M. 1995 ,Environmental Protectionand Laws, Himalaya Pub House, Delhi



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E-Resources	https://nptel.ac.in/courses/109106124/ https://study.com/academy/lesson/what-is-fiction-definition-types.html
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Syllabus Prepared by:

1. Ms. Shirisha Gupte : Chairperson



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Syllabus for F.Y.BCom Under NEP 2020

(June 2020 Onwards)

Program: B.com

Semester 2

Course: Value Education Course

Course Code	Paper Title	Credit
VGUVUE203	Environmental Studies-II	02

2. Syllabus as per **Choice Based Credit System**

- i) Name of the Programme : F.Y.BCom
- ii) Course Code :
- iii) Course Title : Environmental Studies-II
- iv) Semester wise Course Contents : Copy of the syllabus Enclosed



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v) References and additional references	:	Enclosed in the Syllabus
vi) Credit structure	:	
No. of Credits per Semester	:	02
vii) No. of lectures per Unit	:	10
viii) No. of lectures per week	:	02 per division
ix) No. of Tutorial per week	:	---
		Internal Assessment 50 marks: Test 15 marks, Project/ Assignment 25 marks
2 Scheme of Examination	:	Class Participation: 10 marks
3 Special notes, if any	:	No
4 Eligibility, if any	:	As laid down in the College Admission brochure / website
5 Fee Structure	:	As per College Fee Structure specifications
6 Special Ordinances / Resolutions, if any	:	No

Programme: F.Y.BCom

Semester: II

Course : Value Education Course (Environmental Studies- II)

Course Code :

Teaching Scheme (Hrs/Week)				Continuous Internal Assessment (CIA) 40 marks					End Semester Examination	Total
L	T	P	C	CIA-1	CIA-2	CIA-3	CIA-4	Lab	Written	
2	-	-						-		50
Max. Time, End Semester Exam (Theory) -2Hrs.										



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Prerequisite	1. Basic knowledge of environment 2. Basic knowledge of maps and cartographic diagrams
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Course Objectives

1. Highlighting Spatial differences in the world resource production and consumption & Spatial Interactions in World commerce
2. Environmental considerations in commerce – Minimization of waste
3. Motivation to manage the domestic waste effectively at household level
4. Avoidance of water and electricity wastage at college and domestic level.
5. Career building in Environmental Management, Waste Management , Green Careers and Tourism management
6. Reading and interpretation of maps of environmentally sensitive regional aspects.

Course Content

Unit No.	Module No.	Content	Lectures
1	I	Urbanization and Environment <ol style="list-style-type: none"> a. Concept of Urbanization-Migration and related issues in Urban environment b. Changing land use, crowding and stress on urban resources, Degradation of air and water, loss of soil cover, impact on biodiversity, Urban Heat Islands – Case studies from Mumbai& other metropolitan/ Urban regions c. Concept and Need of Sustainable Development –Concept of Smart cities and Sustainable cities- Indian scenario. 	10
2	II	Environmental Movements and Environmental Management <ol style="list-style-type: none"> a. Environmental movements in India- Save Narmada Movement, Chipko Movement, Appiko Movement, Save Western Ghats Movement b. Environmental management- Concept, Need and relevance - ISO 14000 and ISO 16000, Carbon Bank and Carbon credits, Ecological Footprint, Environment Impact Assessment (EIA),Environmental Protection Acts 	10



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		Concept and components of Geospatial Technology-Applications of GST in Environmental management	
3	III	Solid waste management a. Meaning and definition, Sources, types and classification of waste b. Impacts of solid waste pollution, Environmental impacts, Health hazards (Case studies) c. Solid waste management- Schemes and initiatives of solid waste management by MCGM (Case studies) Role of citizens in Waste management in Urban and rural areas	10
		Map filling Filling of Maps of Greater Mumbai with Environmentally significant features	
Total No. of Lectures			30

Beyond the Syllabus

Paper presentations, book reviews and visits to ecologically sensitive locations, tourism related locations, waste management projects.

List of Experiments

Sr. No.	Description
1	Module 1 Impact of human activities on urban Environment
2	Module 2 Management of environment
3	Module 3 Waste management
	Map work -understanding and pointing out locations in regional maps

Course Outcome



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Students should be able to	
CO1	Issues and problems created by human activities
CO2	Grasping knowledge of Environment Management tools
CO3	Sensitize about the existing local environmental issues and adopting waste management as a part of the lifestyle.
CO4	Locating and pointing out environmentally sensitive regional aspects on the Mumbai maps.

Recommended Resources

Text Books

Reference Books In contrast to the previous practice the examination will not be based on a single textbook, but will now be curriculum based to support the NEP related reforms. Therefore, the students are encouraged to widen their studies and teaching respectively to competitive textbooks and other available material.

Text book- Environmental Studies I and II- Vipul Publication
Leong and Morgan- Human and Economic Geography Oxford University Press
Singh, Savinder, 2011, Environmental Geography, Prayag Pustak Bhavan, Allahabad, India
Jadhav, H. and Bhosale, V.M. 1995, Environmental Protection and Laws, Himalaya Pub House, Delhi
Odum E.P. 1971- Fundamentals of Ecology, W.B. Saunders, Philadelphia
Down to Earth, Centre for Science and Environment (R)

Rao K.L. 1975, India's Water Wealth, Orient Longman Ltd, New Delhi
Jadhav, H. and Bhosale, V.M. 1995, Environmental Protection and Laws, Himalaya Pub House, Delhi



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E-Resources

Syllabus Prepared by:

2. Ms. Shirisha Gupte : Chairperson



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