



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

Syllabus for FY B.Com.

(June 2020 Onwards)

Program: B.Com.

Semester 1

**Course Title: Environmental Studies – I**

<b>Course Code</b>	<b>Paper Title</b>	<b>Credit</b>
<b>CEVS101</b>	<b>Environmental Studies-I</b>	<b>03</b>

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

- i) Name of the Programme : F.Y.B.Com
- ii) Course Code : **CEVS101**  
Semester I
- iii) Course Title : **Environmental Studies -I**

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	:	03
vii) No. of lectures per Unit	:	13 ( +8 for map work)
viii) No. of lectures per week	:	04
ix) No. of Tutorial per week	:	---
		Semester End Exam: 60 marks (4 Questions of 15 marks )
		Internal Assessment 40 marks: Test 15 marks,
		Project/ Assignment 15 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: FYBCom**

**Semester: I**

**Course : Environmental Studies – I**

**Course Code : CEVS101**

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	
4	-	-		15	15	10		-	60	100
Max. Time, End Semester Exam (Theory) - 2Hrs.										

**Prerequisite** 1. Basic knowledge of environment

2. Basic knowledge of maps and cartographic diagrams

### Course Objectives

1. To impart knowledge and understanding of environmental issues

2...To Develop understanding of the interdisciplinary nature of environmental studies

3. To increase an awareness of the importance of living in harmony with environment

4. To 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, II, III, IV	<p><b><u>Environment , Ecosystems and Sustainable Development</u></b></p> <ul style="list-style-type: none"> <li>• Need, Importance and scope of Environmental Studies</li> <li>• Environment- Meaning, definition, scope of Environment Components of environment affecting Commerce</li> <li>• Ecosystems - Definition, Characteristics, components and types,</li> <li>• Emerging Issues of development with special reference to India.(Case Studies) -concept of sustainability</li> </ul>	13
2	I,II,III ,IV	<p><b><u>Natural Resources</u></b></p> <ul style="list-style-type: none"> <li>• Meaning and Definition, classification and types of resources, Factors influencing resource utilization Life cycle Analysis of the Product</li> <li>• Conservation of Resources- Need, Meaning and methods</li> <li>• Problems associated with Management of water, Forest and Energy resources –Energy Crisis and its impact: Management and Mitigation (Case Study)</li> </ul>	13

		<ul style="list-style-type: none"> <li>Resource Utilization and Sustainable Development</li> </ul>	
3	I, II, III	<p><b><u>Populations and Emerging Issues of Development</u></b></p> <ul style="list-style-type: none"> <li>Population growth and population distribution patterns, Demographic Transition Theory</li> <li>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</li> <li>Concept of Carrying Capacity Environment and Human Health, Human Development patterns - Human Development Index, World Happiness Index (Case Study)</li> </ul>	13
4	I,II, III	<p><b><u>Urbanization and Environment</u></b></p> <ul style="list-style-type: none"> <li>Concept of Urbanization</li> <li>Migration and related issues in Urban environment 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 &amp; other metropolitan/ Urban regions</li> <li>Concept and Need of Sustainable Development –Concept of Smart cities and Sustainable cities- Indian scenario.</li> </ul>	13
5	I,II	<p><b><u>Map work ( world Maps)</u></b></p> <ul style="list-style-type: none"> <li>Reading and interpretation of Thematic maps- Located Bars, Circles, Pie charts, Isopleths, Choropleths, Flow Maps, Pictograms</li> <li>Map filling- Filling of world maps with environmentally significant features using point, line and polygon segment.</li> </ul>	08
<b>Total No. of Lectures</b>			60

### Beyond the Syllabus

Tutorial Activities: Students' Presentations, Group Discussions, Use of M-learning and E-learning, book reviews and visits to ecologically sensitive locations

### List of Experiments

Sr. No.	Description
1	<b>Module 1, 2 and 3</b> Basic understanding of environment and Ecology and interrelationship with man
2	<b>Module 4, 5 and 6</b> Concept of resource utilization and Resource conservation
3	<b>Module 7,8 and 9</b> Population growth and immerging demographic issues
4	<b>Module 8, 9 and 10</b> Issues related with urbanisation
5	<b>Module 11 and 12-</b> Map work -Reading and Interpretation of thematic world maps

### Semester I: Environmental Studies – Paper I (Paper Pattern)

Duration: 2 hours

Marks: 60

Instructions-

1. Question numbers 1 and 2 are compulsory
2. Attempt any THREE from question no 3 to 6
3. Attach the map to the answer book.
4. Use of map stencil , colour pencils and sketch pens is allowed

Q. 1 A. Reading and Interpretation of world Thematic maps

10 marks

Q.2 Write short note (Any four out of six)

20 marks

Q.3 to Q. 6 Full Length Question ( Based on unit I , II, III and IV respectively)

10 marks each

### Course Outcome

**After the completion of the course, students will 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** Sensitize about the existing urban environmental issues

**CO5** Reading and interpretation of maps of environmentally sensitive regional aspects.

### Recommended Resources

**Text Books** Environmental Studies-I  
Text Book and Map Book \_ Vipul Publication

- 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 and 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 Protection and Laws, Himalaya Pub House, Delhi

Syllabus Prepared by:

1. Ms. Shirisha Gupte : Chairperson

30-08-2020

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Sanjyot P. Deuskar  
Associate professor  
Signed by: Sanjyot Deuskar



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Program: B.Com.

Semester 2

**Course Title: Environmental Studies – II**

Course Code	Paper Title	Credit
CEVS201	Environmental Studies-II	03

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

- i) Name of the Programme : F.Y.B.Com
- ii) Course Code : **CEVS201**  
Semester II
- iii) Course Title : **Environmental Studies -II**

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	:	03
vii) No. of lectures per Unit	:	13 ( +8 for map work)
viii) No. of lectures per week	:	04
ix) No. of Tutorial per week	:	---
		Semester End Exam: 60 marks (4 Questions of 15 marks )
		Internal Assessment 40 marks: Test 15 marks,
		Project/ Assignment 15 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: FYBCom**

**Semester: II**

**Course : Environmental Studies – II**

**Course Code : CEVS201**

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	
4	-	-		15	15	10		-	60	100
<b>Max. Time, End Semester Exam (Theory) - 2Hrs.</b>										

**Prerequisite** 1. Basic knowledge of environment

2. Basic knowledge of maps and cartographic diagrams

### Course Objectives

1. To highlighting Spatial differences in the world resource production and consumption & Spatial Interactions in World commerce
2. To impart Environmental considerations in commerce – Minimization of waste
3. To Motivate to manage the domestic waste effectively at household level
4. Career building in Environmental Management, Waste Management , Green Careers and Tourism management
5. Reading and interpretation of maps of environmentally sensitive local and regional aspects.

### Course Content

Unit No.	Module No.	Content	Lectures
1	I, II, III	<p><b>Environment and Man's activities-</b></p> <ul style="list-style-type: none"> <li>• Food production and Environment-Sources, areas of production and pattern of food trade</li> <li>• Factors affecting industrial location, types of industries, Case studies of the industries exerting huge impact on the environment</li> <li>• Environment and Tourism- Tourism as an emerging service-Factors of location and development, Typology and impacts Classification of tourism-Ecotourism- Emerging trends in Tourism activity</li> </ul>	13
2		<p><b>Environmental degradation -</b></p> <ul style="list-style-type: none"> <li>• Environmental problems associated with agriculture- Loss of productivity, Land degradation, desertification Uneven food production- Issues of Hunger and malnutrition- Food security, Sustainable agricultural practices</li> </ul>	13

	I,II,III	<ul style="list-style-type: none"> <li>Environmental Problems associated with Industries- Pollution, Global warming, Ozone layer Depletion, Acid Rain- Sustainable Industrial Practices</li> <li>Green Business and Green consumption, Corporate Social Responsibility towards environment</li> </ul>	
3	I, II , III	<b>Environmental Movements and Environmental Management</b> <ul style="list-style-type: none"> <li>Environmental movements in India- Save Narmada Movement, Chipko Movement, Appiko Movement, Save Western Ghats Movement</li> <li>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</li> <li>Concept and components of Geospatial Technology- Applications of GST in Environmental management</li> </ul>	13
4	I,II, III	<b>Solid waste management</b> <ul style="list-style-type: none"> <li>Meaning and definition, Sources, types and classification of waste</li> <li>Impacts of solid waste pollution, Environmental impacts, Health hazards (Case studies)</li> <li>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</li> </ul>	13
5	I,II	<b>Map work ( world Maps)</b> <b>Map filling</b> <ul style="list-style-type: none"> <li>Filling of Maps of Greater Mumbai</li> <li>Filling of Maps of Konkan</li> </ul> (Environmentally significant features)	08
<b>Total No. of Lectures</b>			60

### Beyond the Syllabus

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

### List of Experiments

Sr. No.	Description
1	<b>Module 1 ,2 and 3</b> Basic human activities and their spatial spread
2	<b>Module 4, 5 and 6</b> Impact of human activities on Environment and resources
3	<b>Module 7,8 and</b> Environment Movements and Environment Management
4	<b>Module 8, 9 and 10</b> Waste management
5	<b>Module 11 and 12-</b> Map work -Reading and Interpretation of Local and regional maps

### Semester I: Environmental Studies – Paper I (Paper Pattern)

Duration: 2 hours

Marks: 60

Instructions-

2. Question numbers 1 and 2 are compulsory
2. Attempt any THREE from question no 3 to 6
3. Attach maps to the answer book.
4. Use of map stencil , colour pencils and sketch pens is allowed

Q. 1 A. Filling and pointing out locations on the map of Greater Mumbai	10 marks
Q.2 Write short note (Any four out of six)	20 marks
Q.3 to Q. 6 Full Length Question ( Based on unit I , II, III and IV respectively)	10 marks each

### Course Outcome

**After the completion of the course, students will able to**

<b>CO1</b>	Identification of Spatial differences in human activities & World commerce
<b>CO2</b>	Issues and problems created by human activities and solutions
<b>CO3</b>	Getting knowledge of methods of Environment Management
<b>CO4</b>	Sensitize about the existing local environmental issues and adopting waste management as a part of the lifestyle.
<b>CO5</b>	Locating and pointing out environmentally sensitive regional aspects on the Mumbai and Konkan maps.

### Recommended Resources

<b>Text Books</b>	Environmental Studies-II Text Book and Map Book _ Vipul Publication
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- 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-Fundamantals 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

Syllabus Prepared by:

2. Ms. Shirisha Gupte : Chairperson

30-08-2020

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Associate Professor  
Signed by: Sanjyot Deuskar