

***Revised Syllabus of Courses of B.Com. Programme at Semester I
with Effect from the Academic Year 2016-2017***

Ability Enhancement Courses (AEC)

5.Environmental Studies I

Modules at a Glance

| Sr. No. | Modules | No. of Lectures |
|--------------------|--|----------------------------|
| 1 | Environment and Ecosystem | 13 |
| 2 | Natural Resources and Sustainable Development | 13 |
| 3 | Populations and Emerging Issues of Development | 13 |
| 4 | Urbanisation and Environment | 13 |
| 5 | Reading of Thematic Maps and Map Filling | 08 |
| Total | | 60 |

| Sr. No. | Modules / Units |
|----------|--|
| 1 | Environment and Ecosystem |
| | Environment: Meaning, definition, scope and its components; concept of an ecosystem : definition, Characteristics, components and types, functioning and structure; Food Chain and Food Web- Ecological Pyramids - Man and environment relationship; Importance and scope of Environmental Studies. |
| 2 | Natural Resources and Sustainable Development |
| | Meaning and definitions ; Classification and types of resources, factors influencing resource; Resource conservation- meaning and methods- I and non-conventional resources, problems associated with and management of water, forest and energy resources- resource utilization and sustainable development |
| 3 | Populations and Emerging Issues of Development |
| | Population explosion in the world and in India and arising concerns- Demographic Transition Theory - pattern of population growth in the world and in India and associated problems - Measures taken to control population growth in India; Human population and environment- Environment and Human Health – Human Development Index – The World Happiness Index |
| 4 | Urbanisation and Environment |
| | Concept of Urbanisation– Problems of migration and 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 – Emerging Smart Cities and safe cities in India - Sustainable Cities |
| 5 | Reading of Thematic Maps and Map Filling |
| | Reading of Thematic Maps(4 Lectures) Located bars, Circles, Pie charts, Isopleths, Choropleth and Flow map, Pictograms - Only reading and interpretation. Map Filling: (4 Lectures) Map filling of World (Environmentally significant features) using point, line and polygon segment. Concept and Calculation of Ecological Footprint |

***Revised Syllabus of Courses of B.Com. Programme at Semester II
with Effect from the Academic Year 2016-2017***

Ability Enhancement Courses (AEC)

4.Environmental Studies II

Modules at a Glance

| Sr. No. | Modules | No. of Lectures |
|----------------|--|------------------------|
| 1 | Solid Waste Management for Sustainable Society | |
| 2 | Agriculture and Industrial Development | |
| 3 | Tourism and Environment | |
| 4 | Environmental Movements and Management | |
| 5 | Map Filling | |
| Total | | 60 |

| Sr. No. | Modules / Units |
|----------|--|
| 1 | Solid Waste Management for Sustainable Society |
| | Classification of solid wastes – Types and Sources of Solid Waste ; Effects of Solid Waste Pollution- Health hazards, Environmental Impacts; Solid Waste Management – solid waste management in Mumbai- Schemes and initiatives run by MCGM – role of citizens in waste management in Mumbai |
| 2 | Agriculture and Industrial Development |
| | Environmental Problems Associated with Agriculture: Loss of Productivity, Land Degradation ,desertification - Uneven Food Production – Hunger, Malnutrition and Food Security – Sustainable Agricultural practices Environmental Problems Associated with Industries – pollution -Global warming, Ozone Layer Depletion , Acid rain, - Sustainable Industrial practices – Green Business and Green Consumerism, Corporate Social Responsibility |
| 3 | Tourism and Environment |
| | Tourism: Meaning, Nature, Scope and importance –Typology of tourism-classification; Tourism potentials in India and challenges before India; New Tourism Policy of India; Consequences of tourism : Positive and Negative Impacts on Economy, Culture and environment- Ecotourism |
| 4 | Environmental Movements and Management |
| | Environmental movements in India: Save Narmada Movement, Chipko Movement, Appiko Movement, Save Western Ghat and Save Jaitapur; Environmental Management: Concept, need and relevance; Concept of ISO 14000 and 16000; Concept of Carbon Bank and Carbon Credit.EIA - Environment Protection Acts – Concept and components of Geospatial Technology- Applications of GST in Environmental Management. |
| 5 | Map Filling |
| | Map filling of Konkan and Mumbai (Environmentally significant features and GST centers) using point, line and polygon segment. Concept and Calculation of Environmental Performance Index (EPI) |

UNIVERSITY OF MUMBAI

No. UG/136 of 2018-19

CIRCULAR:-

Attention of the Principals of the Affiliated Colleges and Directors of the recognized Institutions in Commerce & Management Faculty.

They are hereby informed that the recommendations made by the Board of Studies in Geography at its meeting held on 20th April, 2018 and that in accordance therewith, the question paper pattern of F.Y.B.Com. in Environmental Studies (Sem I and Sem II) from the academic year 2018-19, has been accepted by the Hon'ble Vice Chancellor as per the power confirmed upon him under Section 12(7) of the Maharashtra Public Universities Act, 2016. (The same is available on the University's website www.mu.ac.in).

MUMBAI – 400 032

18th December, 2018


(Prof. Sunil Bhirud)
I/c REGISTRAR

To

The Principals of the affiliated Colleges and Directors of the recognized Institutions in Commerce & Management Faculty. (Circular No. UG/334 of 2017-18 dated 9th January, 2018.)


No. UG/ 136 -A of 2018

MUMBAI-400 032

18th December, 2018

Copy forwarded with Compliments for information to :-

- 1) The I/c Dean, Faculty of Commerce & Management,
- 2) The Chairman, Board of Studies in Geography,
- 3) The Director, Board of Examinations and Evaluation,
- 4) The Director, Board of Students Development,
- 5) The Co-ordinator, University Computerization Centre,


(Prof. Sunil Bhirud)
I/c REGISTRAR

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Academic Authority Unit
University of Mumbai,
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3. Any other matter with the permission of the chair :-

It was **resolved** that it is suggested by the members of Board of Studies to modify the question paper pattern of F.Y.B.A. Geography paper-I Semester- I and Semester-II and F.Y.B.Com Environmental Studies Semester- I Semester-II.

Board of Studies in Geography has modified question paper pattern of F.Y.B.Com Environmental Studies Semester I and II w.e.f. 2018-19.

I F.Y.B.Com Environmental Studies : 100 marks paper

Instructions:- 1) All questions are compulsory and carry equal marks
2) Use of map stencils and simple calculator is allowed.
3) Attach the given maps along with your answer book.

Question 1. (a) Map work (10 marks)
(b) Map work (10 marks)

Unit 1:- Question 2:- Attempt any two from the following:- (20marks)

- A)
- B)
- C)

Unit 2:- Question 3:- Attempt any two from the following:- (20marks)

- A)
- B)
- C)

Unit 3:- Question 4:- Attempt any two from the following:- (20marks)

- A)
- B)
- C)

Unit 4:- Question 5:- Attempt any two from the following:- (20marks)

- A)
- B)
- C)

Approved

Dr. B. B. Sonule
(Convener)

Yogini Ghare
Deputy Registrar
(Academic Authorities Unit)

Mumbai-400 032,

2nd April, 2018.

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