

University of Mumbai
Revised Syllabus of Environmental Studies of F.Y. B.Com Programme
(Semester-I and II)
With effect from the Academic Year 2016-2017

Objectives:

1. To create an environmental awareness among commerce students.
2. Make aware students about various environmental factors and its relation to the field of Commerce.
3. To highlight functional and spatial links between environment, economy and society.
4. To create an insight into various environmental issues at various levels and environmental movements towards making environment sustainable.

F.Y. B.Com- Environmental Studies (Semester-I)

Sr. No.	Modules / Units	No. of Lectures
1	Environment and Ecosystem	13
	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	13
	Meaning and definitions ; Classification and types of resources, factors influencing resource utilisation; Resource conservation- meaning and methods- conventional 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	13
	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	13
	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	08
	<u>Reading of Thematic Maps</u> (4 Lectures) Located bars, Circles, Pie charts, Isopleth, Choropleth and Flow map, Pictograms - Only reading and interpretation. <u>Map Filling:</u> (4 Lectures) Map filling of World (Environmentally significant features) using point, line and polygon segment.	

F.Y. B.Com- Environmental Studies (Semester-II)

Sr. No.	Modules / Units	No. of Lectures
1	Solid Waste Management for Sustainable Society	13
	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 urban and rural areas.	
2	Agriculture and Industrial Development	13
	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 towards environment	
3	Tourism and Environment	13
	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	13
	Environmental movements in India: Save Narmada Movement, Chipko Movement, Appiko Movement, Save Western Ghats movement; Environmental Management: Concept, need and relevance; Concept of ISO 14000 and 16000; Concept of Carbon Bank and Carbon Credit , EIA , ecological footprint; Environment Protection Acts; Concept and components of Geospatial Technology- Applications of GST in Environmental Management	
5	Map Filling	08
	<u>Map filling of Konkan and Mumbai</u> (Environmentally significant features)	