

Environmental Studies-I

FYBCOM

Semester I

1. Environment and Ecosystem (13 Lec.)

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 Lec.)

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 Lec.)

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 Lec.)

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 (8 Lec.)

Reading of Thematic Maps (4 Lec.)

Located Bars, Circles, Pie Charts, Isopleths, Choropleth, and Flow Map, Pictograms - Only reading and interpretation.

Map Filling : (4 Lec.)

Map filling of World (Environmentally significant features) using point, line and polygon segment.