

## **COURSE OUTCOMES**

**Department: Environmental Studies**

**Class: FYBcom / Sem - 1**

**Name of the Paper / course: Environmental Studies**

**Name of the Faculty: Dr. Sumant Eknath Autade**

Module – I Environment and Ecosystem		
	Course Outcomes	Teaching methods
1.1 Environment meaning, importance of environmental studies	1. Define environment. 2. Discuss significance of environment.	Group discussion and chalk and talk method
1.2 Components of natural environment	3. Describe components of natural environment. 4. Classify various components of natural environment into biotic and non-biotic.	Group discussion and chalk and talk method
1.3 Ecosystem – concept, composition and structure	5. Explain the concept of ecosystem. 6. Understand the composition and structure of the ecosystem.	Chalk and talk method, ppt presentation
1.4 Types of ecosystem	7. Differentiate the characteristics of different types of ecosystems.	Chalk and talk method, field work
1.5 Functions of ecosystem	8. Elaborate various functions of ecosystem.	Chalk and talk method, group discussion
1.6 Changing man-environment relationship	9. Illustrate changing nature of man-environment relationship.	Group discussion
Module – II – Natural resources		
2.1 Natural resources – meaning and classification	1. Understand the concept of natural resource. 2. Classify natural resources based on various criteria.	Demonstration and Practice
2.2 Common methods of resource conservation	3. Apply common methods of resource conservation at local level. 4. Understand various methods of resource conservation.	Demonstration and Practice
2.3 Water resource – water cycle, global patterns of water resource	5. Understand processes in hydrological cycle. 6. Discuss global patterns of water resources.	Chalk and talk method, ppt presentation
2.4 Problems related to water resources and methods of water resource management	7. Illustrate various problems related to water resources. 8. Apply various methods of water resource management.	Chalk and talk method, field work
2.5 Problems of deforestation and methods of forest conservation	9. Recognize various problems caused by deforestation. 10. Demonstrate different methods of forest resource management.	Chalk and talk method, group discussion
2.6 Energy resources – classification of energy resources, energy crisis, methods of energy conservation	11. Classify energy resources. 12. Discuss causes and effects of energy crisis. 13. Discuss methods of energy conservation.	Demonstration and Practice

Module – III Population and Development		
3.1 Global patterns of population growth	1. Identify and map global patterns population growth.	Discussion and graphical presentaaation
3.2 Global patterns of population change (positive and negative population change)	2. Understand patterns of population growth rates in the world. 3. Differentiate characteristics of countries with positive, negative and zero population growth rate.	Chalk and talk method, ppt presentation
3.3 Causes and effects of population explosion	4. Discuss major causes and effects of population explosion.	Chalk and talk method, field work
3.4 Demographic transition model	5. Critically evaluate demographic transition model. 6. Apply demographic transition model to identify status of each country in stages of population transition.	Chalk and talk method, group discussion
3.5 Human Development Index	7. Understand the concept of HDI. 8. Calculate Human Development Index.	Demonstration Claculation
3.6 World Happiness Index	9. Understand the concept of Happiness index and its global patterns.	Calculations and demonstration
Module – IV Urbanization and environment		
4.1 Urbanization ; concept and processes contributing urbanization	1. Explain the concept of urbanization. 2. Describe the process of urbanization.	Demonstration and Practice
4.2 Problems of urbanization: Land use change, deforestation, pollution, overcrowding	3. Elaborate problems caused by urbanization. 4. Explain effects of urbanization on land use, level of pollution and crowding of people.	Chalk and talk method, ppt presentation
4.3 Sustainable urban development	5. Apply knowledge of urban planning in sustainable urban development.	Chalk and talk method, field work
4.4 Concept of smart cities: smart cities in India	6. Define smart cities. 7. Illustrate smart city mission in India.	Chalk and talk method, group discussion
4.5 Urban heat islands	8. Understand the concept of urban heat islands. 9. Elaborate problems of urban heat islands.	Group discussion and chalk and talk method
Practical – Interpretation of thematic maps, filling the world map with environmentally significant features.		
5.1 Interpretation of thematic maps	1. Understand the components of thematic maps. 2. Demonstrate the methods of preparing thematic maps. 3. Interpret thematic maps.	Demonstration and Practice
5.2 Filling world map with environmentally significant features	4. Locate major point, line and polygon features on world map. 5. Indentify environmentally significant features on the outline map of the world.	Demonstration and Practice