

EVS –I (COMPULSORY)
B.A/B.COM 5th Semester

UNIT I: Ecosystem and the Environment

- General definitions for Environmental Studies
- What is the Scope and importance of Environmental studies?
- Why is there a Need for Public awareness?
- Discuss the Concepts of an Ecosystem.
- What is the Structure and functions of an Ecosystem?
- What are Producers, Consumers and Decomposers in an Ecosystem?

UNIT II: Natural Resources

- What are *Renewable* and *non-renewable* resources?
- What role does an individual play in conservation of natural resources for sustainable lifestyle?
- Discuss the Use and Over exploitation of Forest resources.
- Deforestation, Timber extraction, Mining, Dams and their effects on forest and tribal people, Dams- benefits and problems.
- Use and over exploitation of surface and ground water resources, Floods, Drought, Conflicts over water in National and local context

UNIT III: Biodiversity and its Conservation

- Define Biodiversity, conservation and Preservation.
- Different types of diversities-Genetic, Species and Ecosystem diversity.
- Different Bio-geographical classification of India-10 Zones
- What is Value of biodiversity: Consumptive use, Productive use, Social, Ethical, Aesthetic and option values.

UNIT IV: Environmental pollution

- Define pollution.
- What are the different types of Pollution?
- Discuss the Causes, effects and control measures of Air pollution. Water pollution and Soil pollution.
- Discuss the Causes, effects and control measures of Marine pollution, Noise pollution, Thermal pollution, nuclear hazards.

UNIT V: Population issues and the Environment

- Define Population growth.
- Discuss Population Variation among nations.
- What is Population explosion?
- Discuss Family welfare programmes, Environment and Human health, Human rights, Value education, HIV/AIDS.
- What is Woman and Child welfare?
- What Role does information technology (IT) play in environment and human health?
- Case studies.

Field work and calendar activities

- **Field study on the topic chosen with prior consultation with teacher concerned.*
- **PPT classes and Environmental Documentaries*
- **Presentation, Assignment, seminar, debate etc. on National and local context.*