

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

UNIT I: Ecosystem and the Environment

- a. Definition, Scope and importance of Environmental studies, Need for Public awareness.
- b. Concepts of an Ecosystem, Structure and functions of an Ecosystem.
- c. Producers, Consumers and Decomposers in an Ecosystem.

UNIT II: Natural Resources

- a. Renewable and non-renewable resources, Role of individual in conservation of natural resources for sustainable life styles.
- b. Use and over exploitation of Forest resources, Deforestation, Timber extraction, Mining, Dams and their effects on forest and tribal people.
- c. Use and over exploitation of surface and ground water resources, Floods, Drought, Conflicts over water, Dams- benefits and problems.

UNIT III: Biodiversity and its Conservation

- a. Definition, Genetic, Species and Ecosystem diversity, Bio-geographical classification of India.
- b. Value of biodiversity: Consumptive use, Productive use, Social, Ethical, Aesthetic and option values.

UNIT IV: Environmental pollution

- a. Definition, Causes, effects and control measures of Air pollution. Water pollution and Soil pollution.
- b. Causes, effects and control measures of Marine pollution, Noise pollution, Thermal pollution, nuclear hazards.

UNIT V: Population issues and the Environment

- a. Population growth, Variation among nations, Population explosion- Family welfare programmes, Environment and Human health, Human rights, Value education, HIV/AIDS.
- b. Woman and Child welfare, Role of information technology 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.

Suggested Readings:

1. Library Book no. **9050001305**/ Author: Dr. D.D. Mishra / Title: Fundamental Concepts in Environmental Studies / Publisher: S. Chand Publishings/ ISBN: 81-219-2937-7.
2. Library Book no. **9050001306**/Author: R.P.Singh, Zubairul Islam/ Title: Environmental Studies/ Publisher: Concept publishing company (P) LTD. / ISBN: 81-8069-0792-4.
3. Library Book no. **9050001304**/ Author: R.Rajagopalan/ Title: Environmental Studies; From Crisis to Cure; Third Edition/ Publisher: Oxford University Press/ ISBN: 0-19-945975-4.
4. Library Book no. **9050001307**/ Author: R.Rajagopalan/ Title: Environmental Studies; From Crisis to Cure; Second Edition/ Publisher: Oxford University Press/ ISBN: 0-19-807208-2.
5. Library Book no. **9050001308**/ Author: Gautam Purkayastha / Title: Environmental Studies / Publisher: Kalyani Publishers/ ISBN: 978-93-272-3979-9.