B.COM
SEMESTER II
ENVIRONMENTAL STUDIES - II
50 Marks 38 Lectures

UNIT I. Environmental Pollution (15 Marks – 10 Lectures)
- Definition
- Air pollution
- Water pollution
- Soil pollution
- Marine pollution
- Noise pollution
- Thermal pollution
- Nuclear hazards
Solid waste Management: Causes, effects and control measures of urban and industrial wastes.
Role of an individual in prevention of pollution.
Pollution case studies.
Disaster management: floods, earthquake, cyclone and landslides.

II. Social Issues and the Environment (15 Marks -10 Lectures)
From Unsustainable to Sustainable development
Urban problems related to energy
Water conservation, rain water harvesting, watershed management.
Resettlement and rehabilitation of people; its problems and concerns. Case studies.

Environmental ethics: Issues and possible solutions.
Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents and holocaust. Case studies.
Air (Prevention and Control of Pollution) Act. Water (Prevention and control of Pollution) Act Wildlife Protection Act
Forest Conservation Act
Issues involved in enforcement of environmental legislation. Public awareness

III. Human Population and the Environment (15 Marks – 10 Lectures)
- Population growth, variation among nations.
- Population explosion - Family Welfare Programme.
- Environment and human health.
- Human Rights.
- Value Education.
- HIV; AIDS.
- Women and Child Welfare.
Role of information Technology in Environment and human health.
Case Studies

IV. Field work (05 Marks - 08 Lectures)
Visit to a local area to document environmental assets-river /forest/
Grassland/ hill/ mountain Visit to a local polluted site - Urban! Rural Industrial Agricultural
Study of common plants, insects, birds.
Study of simple ecosystems-pond, river, hill slopes, etc. (Field work Equal to 5 lecture hours).

Weightage: . ISA: 10 + S.E.E: 40 Total= 50.
INSTRUCTIONS
1. Maximum thrust may be given to local regional and national examples.
2. Q. No. 1 being objective it should include questions from all units of the term.
3. Questions should be set with due weightage to all the units as specified

Pedagogic suggestion: The Current topic of Regional & National interest have to be updated by referring to subject journals - Down to Earth, Current Science, Yojna and Other relevant materials.

Books for Study and Reference

2. Bharucha Erach, The Biodiversity of India, Mapin Publishing Pvt. Ltd., Ahmedabad - 380013, India, Email: mapin@icenet.net (R)
7. Down to Earth, Centre for Science and Environment (R)
9. Hawkins R.E, Encyclopedia of Indian Natural History, Bombay Natural History Society, Bombay (R)
18. Survey of the Environment, The Hindu (M)
USA 499p (M) Magazine ( R )Reference (TB) Text book