

Total No. of Pages : 02

B.Pharma (2011 to 2016) (Sem.-6)

Subject Code : EVSC-101

Paper ID : [A2263]

Max. Marks : 80

1. **SECTION-A is COMPULSORY** consisting of **FIFTEEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **FOUR** questions carrying **TEN** marks each and students have to attempt any **THREE** questions.

Q1 Answer briefly :

- Explain the significance of 'interaction of systems' in environmental studies.
- What is an ecological pyramid?
- Define biodiversity hot spots.
- What is soil erosion? How is it checked?
- How does the phenomenon of 'Eutrophication' occur?
- Explain the First law of thermodynamics as applied to ecological energy flows.
- What is meant by thermal pollution?
- Consider 'rain water harvesting' as a water conservation measure.
- List the mitigation measures of natural disasters.
- What is meant by Urban Heat Island?
- Why is value education important in environmental management?

- l) How are disasters classified? Give one example to each.
- m) What are bio-fertilizers?
- n) List any four air pollutants emitted from automobiles.
- o) What is meant by population explosion?

SECTION-B

- Q2 How does soil pollution differ from water pollution in effects and control?
- Q3 What is meant by waste land reclamation? Discuss the possible methodology.
- Q4 Consider the Hydrological Cycle and establish water as a natural resource.
- Q5 *"Population, consumerism and pollution are interrelated"* comment.
- Q6 Explain the phenomenon of Global warming. What are its major causes?

SECTION-C

- Q7 *"The implementation of environmental laws is yet to mature in India"*. Comment on the statement pointing out the problems in implementing the various environmental laws. (10)
- Q8 Identify the major environmental problems in your region. Suggest strategies to combat the problems. Also, specify the role of you as an individual in solving the issue. (3+3+4)
- Q9 Write notes on :
 - a) Ozone depletion (5)
 - b) Non-conventional sources of energy (5)
- Q10 Critically evaluate :
 - a) The National policy/efforts to control AIDS/HIV and its implementation (5)
 - b) The National Family Welfare programmes and its effectiveness (5)