

2071  
B. Voc. (Retail Management)  
Fourth Semester  
GEN-401: Environmental Studies

Time allowed: 3 Hours

Max. Marks: 80

**NOTE:** Attempt five questions in all, including Question No. I which is compulsory and selecting one question from each Unit. Draw diagrams wherever necessary.

x-x-x

I. Write short notes on any eight of the following:-

- a) Ecotone
  - b) Biological Oxygen Demand (BOD)
  - c) Project Tiger
  - d) Green House Effect
  - e) Secondary pollutants
  - f) Hotspots
  - g) Sustainable development
  - h) Algal Blooms
  - i) ODS
  - j) Ganga Action Plan
- (8x2)

**UNIT – I**

- II. a) What are biogeochemical cycles? Explain nitrogen cycle in detail.
- b) Differentiate between autecology and synecology hydrosphere and lithosphere.
- (2x8)
- III. a) What are ecological pyramids? Explain pyramid of number, biomass and energy using suitable examples.
- b) What do you mean by productivity? Explain its various types.
- (2x8)

**UNIT - II**

- IV. a) What are major threats to biodiversity? Explain various strategies for biodiversity conservation.
- b) How national parks are different from wild life sanctuaries?
- (2x8)

P.T.O.

(2)

V. Briefly describe:-

- a) Tidal energy
- b) Biosphere reserve
- c) Mineral resources
- d) Oceanic resources

(4x4)

UNIT – III

VI. What is air pollution? Explain its causes, effects and control measures in detail. (16)

VII. Write short notes on:-

- a) Eutrophication
- b) Acid rain
- c) Sewage treatment
- d) Biomagnification

(4x4)

UNIT - IV

VIII. a) What do you mean by Ozone Hole? Describe the consequences of Ozone Depletion.

b) Describe global warming and its effect in detail. (2x8)

IX. Explain various strategies and projects for environment conservation. Also mention various laws framed by government for protection of environment. (16)

x-x-x