

2053

B. Voc. (Retail Management)  
Fourth Semester  
GEN-401: Environmental Studies  
(Common to all B.Voc.)

Time allowed: 3 Hours

Max. Marks: 80

*NOTE: Attempt five questions in all, including Question No. 1 which is compulsory and selecting one question from each Unit.*

*x-x-x*

I. Briefly Explain any eight of the following:-

- a) Trophic Level
- b) Hot spots
- c) Biomedical Waste
- d) ECOMARK
- e) Biogeochemical Cycle
- f) Cryopreservation
- g) Expand: MAB, ODS
- h) Thermal pollution
- i) Biochemical oxygen demand
- j) Primary Productivity

(8x2)

**UNIT - I**

- II. a) What are ecological pyramids? Explain its various types.  
b) Explain biotic components of an ecosystem in detail.  
c) How food chain differs from food web? Which is more real concept and why?  
(6+6+4)
- III. a) What do you mean by ecological succession? Explain succession on a bare rock.  
Also write difference b/w primary and secondary succession.  
b) Distinguish b/w Autecology and Synecology.  
c) Explain the terms Pedogenesis, Weathering  
(8+4+4)

P.T.O.

(2)

**UNIT - II**

- IV. a) What is biological diversity? Write its significance. Also explain various causes for biodiversity loss.  
b) Explain the concept of biosphere reserve.  
c) How do national parks differ from wildlife sanctuaries? (9+4+3)
- V. a) What are non renewable resources? How these differ from renewable ones? Elaborate various methods for conservation of non renewable resources.  
b) Explain: Tidal energy, Biofuel. (10+6)

**UNIT - III**

- VI. a) Differentiate between primary and secondary pollutants. Which one is more harmful and Why?  
b) Explain: Acid Rain, Biomagnification, Eutrophication, Radioactive pollution, Acoustic zoning. (6+10)
- VII. What is air pollution? Write its causes, effects and control measures in detail. (16)

**UNIT - IV**

- VIII. What do you understand by global warming? Discuss its causes and effects. Also mention its role in climate change. (16)
- IX. a) Discuss salient features of Environmental Protection Act 1986. Write down penalties for contravention of this act.  
b) Briefly explain : Ganga Action Plan, Project Tiger. (10+6)