

Duration: 3 Hours

Marks:80

1. All questions are compulsory
2. Draw diagrams wherever necessary
3. Figures to the right indicate full marks.

- 1 (i) Define Environment 1
- (ii) Define Silence Zone 1
- (iii) Define abiotic components of an ecosystem 1
- (iv) Define Troposphere 1
- (v) Enlist the methods for conservation of water as a natural resource 2
- (vi) Illustrate a simplified food chain 2
- (vii) Illustrate Disaster Management Cycle 2
- (viii) Give a schematic representation of multidisciplinary nature of environmental studies 2
- (ix) Explain Water Cycle 2
- (x) Enlist any two major significance of food chains and food webs 2
- (xi) What are biogeochemical cycles 2
- (xii) Enlist measures to control noise pollution 2
- 2.(i) What are ecological pyramids. How are they classified. What information do they convey. Discuss with examples 4
- (ii) What are solar cells. Draw a diagram and enumerate its applications. 4
- (iii) Discuss the salient features of Water (Prevention and Control of Pollution) Act 1947 4
- OR
- Discuss the salient features of Forest (Conservation Act), 1980
- 3.(i) What is EIA. How are the projects under EIA classified. Give a schematic representation of Environmental Clearance Process. 4
- (ii) With a neat labelled sketch explain bag house filters or Electrostatic precipitators as one of the devices for control of air pollution. 4
- (iii) What is wind energy and explain the working of wind turbine 4
- 4.(i) What are greenhouse gases and greenhouse effect. Discuss the impacts of greenhouse effect 4
- (ii) Explain use of principle of 3R in management of solid waste. Enumerate on Sanitary Landfill as one of the methods of solid waste management 4
- (iii) Give a brief account of Bhopal Gas Tragedy 4
- OR
- Write a note on techniques of disaster management with reference to earthquakes.
5. (i) Discuss in brief causes and effects of Water Pollution 4
- OR
- Explain global environmental crisis related with water
- (ii) What is Green Building. Enlist the merits and demerits of Green Buildings 4
- (iii) What is indoor air pollution. Discuss the sources and effects of indoor air pollution 4

- 6. (i) What are the causes and effects of depletion of soil resources and measures undertaken for prevention of same 4
- (ii) What are Carbon Credits. Explain the need and advantages of Carbon Credits 4
- (iii) Discuss the role of technology in environment and health 4

OR

Describe Ganga Action Plan
