

[Time: 3 Hours]

[Marks:70

Please check whether you have got the right question paper.

- N.B:
1. All questions are compulsory
 2. Draw neat diagrams wherever necessary
 3. Figures to right indicate full marks

- Q. 1 (a) What are abiotic components of an ecosystem? 1
 (b) What do you understand by Biological Oxygen Demand. 1
 (c) What is "Carrying capacity"? 1
 (d) What is the need for studying environmental issues. 2
 (e) Outline Global Environmental Crisis related to sanitation. 2
 (f) What do you mean by non-point sources of water? Give examples. 2
 (g) What are greenhouse gases? Give examples. 2
 (h) Give diagrammatic representation of carbon cycle. 2
 (i) Enlist the functional components of ecosystem. 2
- Q. 2 (a) Explain food chains and food webs? Give examples. 4
 (b) With a neat labelled diagram, explain Flash Steam Distillation. 4
OR
 (b) With a neat labelled diagram, explain the working of Photovoltaic Cell. 4
 (c) What are the major causes and consequences of deforestation? 3
- Q. 3 (a) Classify solid waste. Explain sanitary landfills as one of the methods of solid waste management. 4
 (b) Enumerate on any two methods for control of Air Pollution. 4
OR
 (b) Enumerate on any two approaches adopted in secondary treatment of waste water. 4
 (c) Discuss the causes and effects of noise pollution. 3
- Q. 4 (a) Discuss the salient features of Forest (Conservation Act), 1980. 4
OR
 (a) Enumerate the functions of State Pollution Control Board. 4
 (b) What are the agents responsible for Ozone layer depletion? What are the effects of Ozone depletion. 4
 (c) What are the major impacts of acid rain and how can we control it? 3
- Q. 5 (a) Explain the concept of carbon credit. 4
 (b) What is EIA? Explain the procedure for obtaining Environmental Clearance. 4

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2

(c) What do you mean by sustainable development? What are the measures to attain sustainability? 3

OR

(c) Explain the conservation of water using the 3R approach.

Q. 6 (a) Explain the concept of 'Green Buildings'. 4

(b) Explain the role of technology in Environment and health. 4

OR

(b) Explain disaster management with respect to Tsunami. 4

(c) Give an account of indoor air pollution. 3