

Time: 3 hours

Marks: 70

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

- Q.1 (i) What is Sick Building Syndrome (1)
- (ii) Define Biological Oxygen Demand (1)
- (iii) State the purpose of EIA (1)
- (iv) Define Sustainable Development (1)
- (v) Enlist two renewable sources of energy (1)
- (vi) Enlist the major consequences of deforestation (2)
- (vii) Explain secondary air pollutants with examples (2)
- (viii) Define disaster management and enlist techniques used for disaster management (2)
- (ix) Explain the need of carbon credits (2)
- (x) Enlist any two major merits and demerits of wind energy (2)
- Q2. (i) Write a detailed note on solar energy and solar cells as one of the methods and machinery to generate solar power. (4)
- (ii) Discuss the salient features of Water (Prevention and Control of Pollution) Act, 1974 (4)
- OR**
- Discuss the salient features of Forest (Conservation Act), 1980
- (iii) What are the major implications of greenhouse gases (3)
- Q3. (i) What are biogeochemical cycles? Explain with the help of a diagram the nitrogen cycle **OR** Carbon cycle. (4)
- (ii) Briefly describe the sources, effects and control of noise pollution (4)
- (iii) Explain use of principles of 3 R's in management of solid waste (3)
- Q4. (i) With a neat labelled diagram explain hydropower generation (4)
- (ii) Describe role of technology in environment and health (4)

OR

Write a note on Indoor Air Pollution

(iii) What is the scope of environmental education (3)

Q5. (i) Write a note on techniques of disaster management with reference to floods (4)

OR

What do you mean by green building? What are its benefits?

(ii) What are the effects of water pollution on human health (4)

(iii) Define ecosystem. What are the biotic and abiotic components of an ecosystem (3)

Q6. (i) Discuss Environmental Clearance process (4)

(ii) Describe the cause and effects of depleting nature of forests in the environment (4)

(iii) Write short note on Bhopal Gas Tragedy OR Bag House Filters (3)