

**(1) All questions are compulsory**

**(2) Draw neat labelled diagrams wherever necessary**

**(3) Figures to the right indicate full marks**

- 1) (i) Give two examples of indoor air pollutants 1  
 (ii) Define carbon credits 1  
 (iii) Explain the term Environmental Impact Assessment (EIA) 1  
 (iv) Enlist the chemicals produced during Acid rain 1  
 (v) Enlist 2 non- renewable sources of energy 1  
 (vi) What do you mean by Eutrophication 2  
 (vi) Explain primary air pollutants with two examples 2  
 (viii) Define disaster management and enlist techniques used for disaster management 2  
 (ix) Explain the need of environmental education 2  
 (x) Give advantage and disadvantage of fossil fuels as sources of energy 2
- 2) (i) Write the causes and effects of depletion of soil resources and measures undertaken for prevention of same 4
- OR**
- (i) Describe the cause and effects of depleting nature of forests in the environment
- (ii) Gives the roles and duties of Central Pollution Control Board 4  
 (iii) Explain how you use the principle of 3R in treatment of E-pollution 3
- 3) (i) Describe ecological pyramids along with examples 4  
 (ii) What is geothermal energy and explain energy generation using geothermal energy 4  
 (iii) Describe the need of public awareness for environment 3
- OR**
- (iii) Explain multidisciplinary nature of environmental studies
- 4) (i) Write short note on causes and effects of Ozone layer depletion 4  
 (ii) Describe Ganga action plan 4
- OR**
- Explain "Taj Mahal" as a case study in environmental legislation  
 (iii) What do you mean by green building? What are its benefits? 3
- 5) (i) Enumerate the objectives and functions of Ministry of Environment and Forest (MoEF) 4
- OR**
- (i) What is the need and Role of environmental legislation in Indian Scenario
- (ii) Write a note on techniques of disaster management with reference to earthquakes 4  
 (iii) Explain the resource utilization as per the carrying capacity 3
- 6) (i) Write a note on sanitary landfill as one of the methods for Solid Waste Management 4  
 (ii) Explain the principle and working of photovoltaic cell 4
- OR**
- Explain the principle and working of flat plate collector  
 (iii) Explain Minamata Disease case study 3