

Time: 3 Hours

Marks: 80

N.B:

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

- Q.1**
- (i) Give two reasons why environmental education is necessary **1**
 - (ii) Define Lithosphere **1**
 - (iii) Give two examples of "Recovery" as control measure **1**
 - (iv) Explain: Biological Oxygen Demand **1**
 - (v) Enlist two non-renewable sources with their limitations **1**
 - (vi) Enlist two chemical pollutants responsible for Ozone layer depletion **1**
 - (vii) What are effects of Acid rain **2**
 - (viii) Give the causes of Bhopal Gas Tragedy **2**
 - (ix) Explain the concept of Smog. Enlist two causes **2**
 - (x) Explain Multidisciplinary nature of Environmental Studies **2**
 - (xi) Explain secondary air pollutants with examples **2**
 - (xii) Define: Carbon Credits **2**
 - (xiii) Explain the term "Environmental Impact Assessment" and state its objectives **2**
- Q.2**
- (i) What are the causes of Noise pollution. Give methods to reduce Noise pollution. What are Silent zones **4**
 - (ii) Explain the functions and powers of Central Pollution Control Board. **4**
- OR**
- (iii) Discuss salient features of Environment Protection Act, 1986 **4**
 - (iii) Explain resource utilization as per Carrying Capacity **4**
- Q.3**
- (i) Explain Geothermal energy generation or Hydropower generation with suitable diagram **4**
 - (ii) Write a short note on Solid Waste Management with respect to composting, what are its merits and demerits **4**
 - (iii) Discuss the entire procedure for obtaining Environmental Clearance **4**
- Q.4**
- (i) What is indoor air pollution. Discuss the sources and effects of indoor air pollution **4**
 - (ii) Explain any one case study with respect to environmental legislation **4**
 - (iii) With the help of a neat labelled diagram explain use of scrubbers in control of Air Pollution **4**

- Q.5** (i) Explain Global environmental crisis with respect to Land and Water **4**
(ii) Write a note on techniques of disaster management with reference to Tsunami **4**
- OR**
- (iii) Describe Ecological Pyramids with examples **4**
(iii) Explain the need for Carbon Credits and the process of transfer of Carbon Credits to developing countries **4**
- Q.6** (i) What are biogeochemical cycles. With a neat labelled sketch explain Carbon cycle or Oxygen cycle **4**
(ii) Explain “Global warming” causes, effects and preventive measures **4**
(iii) With the help of a neat labelled diagram explain the principle and working of Photovoltaic Cell as a source of greener energy **4**
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