

2 ½ Hours

Total Marks: 60

**Note: 1) All questions are compulsory.**

**2) Draw neat, labelled diagram wherever necessary.**

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

**4) All questions carry equal marks.**

<b>Q1 Answer the following (Any Two):</b>	<b>12</b>
a) Write a note on Impact of Air pollution on Human beings.	<b>06</b>
b) Write a detailed note on air Pollution settlement in rural areas.	<b>06</b>
c) Explain Carbon Credit.	<b>06</b>
d) Explain any one scrubber technique.	<b>06</b>
<b>Q2 Attempt the following (Any Two):</b>	<b>12</b>
a) Describe the potential risk of lead.	<b>06</b>
b) Give the significance of soil salinization in soil pollution.	<b>06</b>
c) Explain the process of rhizosphere modification.	<b>06</b>
d) Describe the various ways of solid waste generation.	<b>06</b>
<b>Q3 Give an account of the following (Any Two):</b>	<b>12</b>
a) Describe hazardous waste and give applications of its management in water.	<b>06</b>
b) Write in detail about heavy metals as a major marine pollutant.	<b>06</b>
c) Explain the mechanism of pollutants removal from constructed wetlands using a suitable diagram.	<b>06</b>
d) Explain biological indicators and accumulators by giving one example of each.	<b>06</b>
<b>Q4 Answer the following (Any Two):</b>	<b>12</b>
a) Describe in brief the composition of Biodiversity in India.	<b>06</b>
b) Describe in brief about the compatibility & inter-operability of TDWG.	<b>06</b>
c) Describe the Global pattern of distribution of Biodiversity.	<b>06</b>
d) State with examples the role of IOT in maintaining the water parameters around the globe.	<b>06</b>
<b>Q5 Write short notes on (Any Three):</b>	<b>12</b>
a) Green belt	<b>04</b>
b) Metal precipitation	<b>04</b>
c) Soil cover	<b>04</b>
d) Aerobic biofilms in wastewater treatment	<b>04</b>
e) Oil spills causing marine pollution	<b>04</b>
f) GEF biodiversity data management.	<b>04</b>