

2020**ENVIRONMENTAL SCIENCE****[HONOURS]****Paper : VIII**

Full Marks : 75

Time : 4 Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **five** of the following: $2 \times 5 = 10$
- Define the term 'Law' and 'Rule'.
 - What is scaling in EIA?
 - Define - EMS.
 - What is environmental inventory?
 - What is hazardous waste?
 - What do you mean desalination?
 - Mention two characteristics of sewage water.
 - What is environmental auditing?

2. Answer any **three** of the following: $5 \times 3 = 15$
- Write down the salient features of Biological Diversity Act, 2002.
 - Write a short note on eco-labelling.
 - Write down the important features of the Hazardous Waste (Management and Handling) Rules, 1989.
 - Write short note on Sanctuary under the Wildlife (Protection) Act, 1972.
 - State two major reasons of Ganga Pollution. Maintain the objectives of Ganga Action Plan.
3. Answer any **five** of the following: $10 \times 5 = 50$
- Describe the strategies for sustainable water management under the water (Prevention and control of Pollution) Act, 1974. 10
 - Mention the important features of checklist methods in EIA. Discuss the importances of Environmental Impact Assessment in relation with developmental plans of our country. $3+7$

- iii) Define bio-medical waste according to Biomedical Waste (Management and Handling) Rules. Mention the treatment and disposal procedures of biomedical wastes under this rule. 2+(4+4)
- iv) Write short notes on: 5+5
- a) Principles of environmental management system
 - b) Living Modified Organism (LMO)
- v) Mention the relationship between EIA, TA, and SIA. Write a short note on Ecological Impact Assessment. 6+4
- vi) Describe EPA, 1986 in details. Discuss about JFM. 7+3
- vii) What are the primary air pollutants? Describe the management strategies for controlling the air pollution in an industrial zone. 2+8
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