

# S-1176

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## ES-552

### EIA and Waste Management

M.Sc. Environmental Science (MSCES)–19

2nd Year Examination, 2022 (Dec.)

**Time : 2 Hours]**

**Max. Marks : 70**

**Note :** This paper is of Seventy (70) marks divided into two (02) Sections A and B. Attempt the questions contained in these sections according to the detailed instructions given therein.

### SECTION–A

**(Long Answer Type Questions)**

**Note :** Section 'A' contains Five (05) long answer type questions of Nineteen (19) marks each. Learners are required to answer any Two (02) questions only.

(2×19=38)

1. What do you understand by the Environmental Impact Assessment (EIA)? Explain the Process of EIA in detail.

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**[P.T.O.]**

2. What is Environmental Audit (EA)? Explain the various types of Environmental Audit (EA).
3. What do you understand by the hazardous waste? Discuss in detail about the types and source of hazardous waste.
4. Describe in detail about the various effects and control measures of Hazardous waste.
5. What is ISO-14001 ? Describe, what is the requirement to obtain the ISO-14001 certification?

## **SECTION-B**

### **(Short Answer Type Questions)**

**Note :** Section 'B' contains Eight (08) short answer type questions of Eight (08) marks each. Learners are required to answer any Four (04) questions only. (4×8=32)

1. Explain the treatment and disposal of Solid waste.
2. What is land filling? Explain the land filling of municipal solid waste in detail.
3. Write a short notes on :
  - (a) Wet Air Oxidation.
  - (b) Photolysis.

4. Explain the EIA of biological Environment.
  5. Discuss in detail about the components of hazardous waste management strategy.
  6. What are the sources of air pollution? Discuss the EIA process of air environment.
  7. Explain the following in detail :
    - (a) Ad-hoc methods of EIA.
    - (b) Matrix Methods of EIA.
  8. Write a brief account on :
    - (a) Factor analysis in EIA.
    - (b) Cost/benefit analysis in EIA.
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