

POST-GRADUATE DEGREE PROGRAMME
Term End Examination — December, 2024
ENVIRONMENTAL SCIENCE (PGES)
Paper : ENVS CC203 : SOLID WASTE AND HAZARDOUS
WASTE MANAGEMENT
(Under CBCS from January 2024 Enrolment Session)

Time : 2 hours

Full Marks : 50

Weightage of Marks : 80%

Special credit will be given for accuracy and relevance in the answer. Marks will be deducted for incorrect spelling, untidy work and illegible handwriting. The weightage for each question has been indicated in the margin.

1. Answer any *five* of the following : 2 × 5 = 10
 - a) Mention any two defining nature of hazardous waste.
 - b) State the ALARA principle.
 - c) What is the significance of recycling in solid waste management ?
 - d) What are the hazardous materials released from circuit boards ?
 - e) State the objectives of integrated solid waste management (ISWM).
 - f) What is meant by biomedical waste ?
 - g) Cite two examples of agricultural solid waste.
 - h) Mention the optimum C:N ratio and ideal range of moisture content required for composting.

2. Answer any *four* of the following : 5 × 4 = 20
 - a) Mention the significance of integrated waste management.
 - b) Write down the different steps adopted in sewage-fed fisheries.
 - c) Briefly state the environmental impacts of hazardous waste.
 - d) What are the different colour codes used in biomedical waste management ? State the waste categories disposed accordingly. 2 + 3
 - e) Briefly state the safe disposal methods of e-waste.

