

B.Sc. 6th Semester (Honours) Examination, 2021

Environmental Science

Course ID: 61817

Course Code: SH/ENV/604/DSE-4

Course Title: Solid Waste Management

Time: 1 hr 15 Min.

Full Marks: 25

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

- 1. Answer any five questions from the followings:** **1 × 5 = 5**
- (a) What do you mean by mining waste?
 - (b) How landfill leachate can cause groundwater pollution?
 - (c) Write two disadvantages of waste management techniques.
 - (d) Define incineration.
 - (e) What is sanitary landfilling technique of solid waste management?
 - (f) Write the differences between hazardous and non-hazardous waste.
 - (g) How fly ash can be used in our life?
 - (h) What is E-Waste?
- 2. Answer any two questions from the followings:** **5 × 2 = 10**
- (a) What is solid waste? Write the types of solid waste. 1 + 4
 - (b) Briefly describe the biological processing of solid waste.
 - (c) Write the advantages and disadvantages of Life Cycle Assessment.
 - (d) Describe 4R methods in waste management.
- 3. Answer any one questions from the followings:** **1 × 10 = 10**
- (a) What is Biomedical Waste? Write the management process of the biomedical waste. 2 + 8
 - (b) Briefly discuss the steps of solid waste management. Write down the importance of Composting? 5 + 5