



'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 4th Semester Examination, 2023

GE2-P2-FOOD TECHNOLOGY

WASTE MANAGEMENT IN FOOD TECHNOLOGY

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

1. Answer any **five** questions: 1×5 = 5
 - (a) What do you mean by thermophilic microorganisms?
 - (b) Name two wastes obtained from fish industries.
 - (c) What do you mean by BOD?
 - (d) Give example of hazardous waste.
 - (e) How do you define “waste water”?
 - (f) What do you mean by biogas?
 - (g) What do you mean by biodegradable waste?
 - (h) Define COD.

2. Answer any **three** questions: 5×3 = 15
 - (a) What are the effects of waste generated from food industries?
 - (b) Explain in brief the 3‘R’s of waste management.
 - (c) What are the characteristics of waste produced from food industries?
 - (d) What do you mean by anaerobic digestion? What are the various steps involved in this process? 2+3
 - (e) Why is there a need of waste management in food industry?

3. Answer any **two** questions: 10×2 = 20
 - (a) What do you mean by composting? Discuss on the various types of composting. 2+8
 - (b) Discuss on the uses of by-products from sugar industry.
 - (c) Discuss on the various methods of solid waste management.
 - (d) Discuss in brief the steps involved in waste water treatment.

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