



'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 4th Semester Examination, 2022

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) How do you define waste?
 - (b) What do you mean by biodegradable waste?
 - (c) What do you mean by BOD?
 - (d) Name any two by-products from sugarcane industries.
 - (e) Name any two solid waste from fish industries.
 - (f) Give examples of hazardous waste.
 - (g) What do you mean by plasma gasification?
 - (h) What do you mean by thermophilic microorganisms?

2. Answer any **three** questions: 5×3 = 15
 - (a) Explain briefly the 3RS that are followed in waste management.
 - (b) What are the characteristics of wastes produced from food industries?
 - (c) Write short note on different kinds of waste produced from food industries.
 - (d) What are the various health impacts caused due to solid waste?
 - (e) What are the effects of wastes generated from food industries?

3. Answer any **two** questions: 10×2 = 20
 - (a) Discuss the various methods of solid waste management.
 - (b) Discuss the uses of by-products from sugar industries.
 - (c) What are the wastes obtained from seafood industries? Discuss on remedial methods for waste obtained from agricultural industries. 2+8
 - (d) What do you mean by biological treatment of organic food waste? Discuss on composting. 2+8

—x—