



'समानो मन्त्रः समितिः समानी'

UNIVERSITY OF NORTH BENGAL

B.Sc. Sec 1st Semester Examination, 2023

UTEASEC11001-TEA SCIENCE

BIO FERTILIZERS AND ORGANIC FARMING

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

1. Answer any **five** questions from the following: 1×5 = 5
 - (a) What do you mean by good agricultural practice? 1
 - (b) Write about bird perches. 1
 - (c) What is sex pheromone? 1
 - (d) Name two botanicals. 1
 - (e) What do you mean by carbon farming? 1
 - (f) Name two N₂ fixing bacteria. 1
 - (g) What is the full form of MRL? 1
 - (h) What do you mean by biodynamics? 1

2. Answer any **three** from the following: 5×3 = 15
 - (a) What are the requirements for organic farming? 5
 - (b) Write a short note on different types of traps used in agriculture. 5
 - (c) Write a note on quality consideration, certification and accreditation process of organic farming. 5
 - (d) Write about prey-predator model to counter pest problem. 5
 - (e) Write a note on soil macro and micro nutrients. 5

3. Answer any **two** from the following: 10×2 = 20
 - (a) Write in detail about biological nitrogen fixation. 10
 - (b) What is the full form of IPM? Write a note on IPM. 10
 - (c) What do you mean by bio-fertilizers? What are its advantages and disadvantages? 1+4+5
Write a note on different types of biofertilizers.
 - (d) Write in detail about vermicompost. 10

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