



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 5th Semester Examination, 2022-23

BOTADSE02T-BOTANY (DSE1/2)

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.

1. Answer the questions briefly: 1×16 = 16
- (a) Define ecotourism.
 - (b) What do you mean by IPR?
 - (c) Define Orthodox seed with example.
 - (d) What is meant by urban forestry?
 - (e) Give one example of non-flowering plant used as ornamental.
 - (f) What is surface irrigation?
 - (g) Mention one horticultural society of India.
 - (h) What is Pomology?
 - (i) Name one Post-harvest disease of vegetable.
 - (j) 'Cavendish' is the variety of which fruit?
 - (k) What is bonsai?
 - (l) What is cryopreservation?
 - (m) What do you mean by hydroponic system?
 - (n) Write down the name of one selective herbicide.
 - (o) Which chemical is used for delaying the fruit ripening in storage?
 - (p) What is the difference between manure and fertilizer?
2. Answer any **eight** questions from the following: 3×8 = 24
- (a) Mention the importance of flower shows and exhibitions. 3
 - (b) What is PGR? Mention its role in horticulture. 1+2
 - (c) What is horticulture? Mention different branches of horticulture. 1+2
 - (d) Describe the methods adopted for pest control. 3
 - (e) Briefly describe the methods for germplasm conservation. 3
 - (f) Write a short note on food safety of vegetables. 3
 - (g) Discuss different types of grafting techniques used in horticulture. 3
 - (h) Mention the advantages and disadvantages of food irradiation. 1½+1½
 - (i) What is food processing? Mention different methods of food processing. 1+2
 - (j) Mention the name and causal organism of any one vegetable and any one ornamental plant in nurseries. 1½+1½
 - (k) Mention the main identifying features of *Opuntia*. 3
 - (l) What is crop sanitation? Mention few chemicals used in pest management. 1+2

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