



WEST BENGAL STATE UNIVERSITY  
B.Sc. Honours 5th Semester Examination, 2023-24



**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
- What do you mean by FYM?
  - Define Arboriculture.
  - What is IPR?
  - Define Olericulture.
  - What do you mean by crop sanitation?
  - What is IPM?
  - Define biopesticide.
  - Which variety is called 'King of mango'?
  - Name the factors responsible for Post Harvest Diseases.
  - Name one nematicide.
  - What do you mean by PGRs?
  - Mention the name of one non-selective herbicide.
  - What is Urban Forestry?
  - What are stock and scion?
  - Name one post harvest disease with its causal organism.
  - Define ecotourism.
2. Answer any **eight** questions from the following: 3×8 = 24
- What is bio-fertilizer? State its advantages. 1+2
  - Mention the methods used to minimize post harvest losses. 3
  - Define germplasm. Briefly describe one method of germplasm conservation. 1+2
  - Briefly discuss the advantages of food irradiation. Define irradiation. 2+1
  - What is micropropagation? Mention the role of micropropagation in horticulture. 1+2
  - Write about the importance of 'Bonsai'. Mention its types. 1½+1½
  - Briefly discuss the scope and limitations of hydroponics. 3
  - Mention the methods of preservation of fruits. 3
  - What are ornamental plants? Classify them. 1+2
  - What is an orchard? Write down the criteria for establishing an orchard. 1+2
  - Write a note on the importance and preservation of cut flowers. 1½+1½
  - Briefly discuss about the evaluation of quality traits in horticultural crops. 3

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