



WEST BENGAL STATE UNIVERSITY
B.Sc. Honours 5th Semester Examination, 2020, held in 2021

BOTADSE02T-BOTANY (DSE1/2)

HORTICULTURAL PRACTICES AND POST-HARVEST TECHNOLOGY

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
Candidates should answer in their own words as far as practicable
All symbols are of usual significance.*

1. Answer **all** the following questions briefly: 1×16 = 16
- (a) What is a grain silo?
 - (b) What is meant by IPM?
 - (c) Define ecotourism.
 - (d) What is cryopreservation?
 - (e) What is the center of origin of mango?
 - (f) What is 'Cavendish AAA'?
 - (g) What is a graft?
 - (h) Write the chemical structure of Dicamba.
 - (i) What is IPR?
 - (j) What is meant by cascade style of bonsai?
 - (k) Name the host plant of a borer pest.
 - (l) Name one mango species other than *Mangifera indica* that produces edible fruit.
 - (m) What is meant by PGRs?
 - (n) What is budding method of plant propagation?
 - (o) What are ornamental plants?
 - (p) What is meant by urban forestry?
2. Answer any **eight** questions from the following: 3×8 = 24
- (a) Write a note on the role of horticulture in rural economy. 3
 - (b) Mention a few salient features of ornamental orchids, poppies and marigold. 1+1+1
 - (c) State the different irrigation methods used in horticulture. 3
 - (d) Differentiate between biofertilizer and biopesticide. 3
 - (e) State the advantages and disadvantages of food irradiation. 3
 - (f) Mention a few policies regarding ancient Indian gardening tradition. 3

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- (g) Briefly describe the post harvesting storage of cut flowers. 3
- (h) Write a short note on food safety of vegetables. 3
- (i) Mention the importance of flower shows and exhibitions. 3
- (j) State the different strategies involved in minimizing economic loss during postharvest transportation. 3
- (k) Give a brief account of chemical methods of pest management. 3
- (l) What is hydroponics? Mention its scope and limitation. 1+2

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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