2020

BOTANY — HONOURS

Paper: DSE-B-2

(Horticultural Practices and Post Harvest Technology)

Full Marks: 50

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any five of the following:

1. This wer way fire of the following.				
	(a)	What is peri urban horticulture? Name two different branches of horticulture.	1+1	
	(b)	Where did the art of Bonsai originate from? Name two Bonsai styles.	2	
	(c)	What is hydroponic system? Mention the ideal temperature in hydroponic system.	em. 1+1	
	(d)	Mention the significance of crop sanitation.	2	
	(e)	Write the scientific names of gulmohor and coral tree.	2	
	(f)	Write the scientific names of two common insect pests of brinjal.	2	
	(g)	What is germplasm conservation? Distinguish between a variety and a cultivar	:. 1+1	
	(h)	What are the horticultural varieties of mango in West Bengal?	2	
2.	Ansv	swer any two of the following:		
	(a)	Mention the principles of food preservation and advantages of food irradiation in post harvest technology. 3+2		
	(b)	Describe with example the role of tissue culture in conservation and maintenance of elite horticultural crops.		
	(c)	Write a note on importance of flower exhibitions in the society (horticulture).	5	
3.	Ansv	wer any three of the following:		
	(a)	Throw light on Integrated Pest Management of vegetable crops of India. Enumerate some post harvest diseases of ornamental fruit crops. 6+4		
	(b)	Write the salient features to identify the following plants: 2×5		
		(i) Rose (iv) Succulents		
		(ii) Gladiolus (v) Orchids.		
		(iii) Gerberas		

T(5th Sm.)-Botany-H/DSE-B-2/CBCS

(2)

- (c) What do you mean by landscape gardening? Describe the principles of landscape designing. 4+6
- (d) (i) What are the methods followed during storage and transportation of vegetables and fruits?
 - (ii) What is IPR? Discuss the IPR issues in trade and commerce of horticultural crops. 5+5
- (e) What is urban eco-tourism? How will you prefer it over natural eco-tourism? What is 'Miyawaki' method of urban forest? 3+5+2