

D 31415

(Pages : 2)

Name.....

Reg. No.....

THIRD SEMESTER P.G. DEGREE EXAMINATION, NOVEMBER 2022

(CCSS)

Applied Plant Science

BOT 3E 01—HORTICULTURE

(2019 Admission onwards)

Time : Three Hours

Maximum : 80 Marks

Part A*Answer any **two** questions in not more than 500 words.*

1. Give a detailed account on the various types of ornamental and botanical gardens existing.
2. Give an account of pre-planting and post planting cultural practices, its advantages and disadvantages.
3. In terms of production, employment, environmental protection, economy, and human resource development horticulture can contribute a lot. Justify your statement with suitable examples.

(2 × 10 = 20 marks)

Part B*Answer any **eight** questions in not more than 250 words.*

4. Give an account of viticulture and its uses.
5. What are the divisions of horticulture, explain with suitable examples and their importance ?
6. What are the artificial methods of vegetative propagation ?
7. What are the various physiological and biological controls adopted for pest management ?
8. What are the major diseases affecting horticulture crops, and the causative agents associated with it ?
9. Comment on the various organic fertilizers used in horticulture.
10. Give a short account of the various types of garden tools and implements used in horticulture.
11. Describe the main cultural practices followed in horticulture.

Turn over

12. What is Pomology ? What are the basic principles followed in it ?
13. Explain T budding and inverted T budding and its significance.

(8 × 5 = 40 marks)

Part C

*Answer any **ten** questions in not more than **five** sentences.*

14. What are the different types of layering ?
15. What is the difference between pruning and training in horticulture ?
16. NPK fertilizers and its advantages
17. What are the major irrigation methods used in vegetable crops ?
18. Wheel barrows and secateurs are used for what purpose ?
19. What is Hydroponics ? Mention its main advantages.
20. For what purpose pergolas and trellises are used ?
21. Give a short account of roof garden and its advantages.
22. Give suitable examples for some major root tubers and root crops used in horticulture.
23. Comment on the push pull technology.
24. Contrast between a glass house and a poly house.
25. What do you mean by integrated pest management ?

(10 × 2 = 20 marks)