



QP CODE: 23104773



Reg No :

Name :

**B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE
EXAMINATIONS, FEBRUARY 2023**

First Semester

B.Sc Botany Model II Horticulture and Nursery Management

Vocational Course - BO1VOT17 - FUNDAMENTALS OF HORTICULTURE

2017 Admission Onwards

4380224D

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Define horticulture.
2. Name any two physical properties of soil.
3. What is biological weathering?
4. Define pH.
5. What are the chief constituents of organic matter?
6. What is organic horizon?
7. How soil becomes acidic?
8. Write any two principles of irrigation.
9. What is micro -irrigation?
10. Name any two chemical fertilizers.
11. Name any two garden tools used in horticulture.
12. Name any two growth regulators used for induction of parthenocarpy.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*





13. Write short notes on: a)Pomology b)Olericulture c)Floriculture d)Arboriculture
14. Explain the significance of laterite soil in cultivation of crops.
15. Give an account on serpentine soil.
16. What are the methods involved in soil treatment?
17. Briefly explain the formation of humus and its significance.
18. Describe any three systems of surface irrigation.
19. Explain the importance of organic manures.
20. What do you mean by biofertilizers and how can it be applied to vegetable crops?
21. Define plant growth regulators. What are the main characteristics of growth regulators?
(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Describe the various components of soil.
23. Compare and differentiate the significance of water management in dryland and wetland.
24. Explain the procedure involved in compost making.
25. Write a detailed account of various types of plant propagating structures available for horticulturists.
(2×15=30)

