

**2023/FYUG/ODD/SEM/  
BOTIDC-101T/041**

**FYUG Odd Semester Exam., 2023  
( Held in 2024 )**

**BOTANY**

**( 1st Semester )**

Course No. : BOTIDC-101T

**( Gardening and Nursery Management )**

Full Marks : 70

Pass Marks : 28

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

**SECTION—A**

Answer *twenty* questions, selecting any *four* from  
each Unit : 1×20=20

**UNIT—I**

1. Name one method of soil sterilization in gardening operation.
2. What is defoliation?

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3. Define topiary.
4. What is hedge?
5. What do you mean by transplanting?

UNIT—II

6. Name a plant most commonly cultivated in Kitchen gardens.
7. Write the name of a famous botanical garden in India.
8. Name an orchard plant.
9. What are weeds?
10. What is organic manure?

UNIT—III

11. State the function of humidifier.
12. Mention the climatic condition in which net house is the best alternative to raise seedlings.
13. What is the use of mist propagating unit?

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( Continued )

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14. What is Lathhouse?
15. What is the use of hotbed in gardening and nursery management?

UNIT—IV

16. Name a vegetative propagating part of garden plants.
17. What is tuber?
18. What are the parts of a seed?
19. Name one rooting hormone.
20. What are epiphytes?

UNIT—V

21. Name one avenue tree.
22. Where is the Indian Botanic Garden situated?
23. Name one ornamental climber.
24. Name one ornamental foliage plant.
25. Name one ornamental annual plant.

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( Turn Over )

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SECTION—B

Answer *five* questions, selecting *one* from each

Unit :  $2 \times 5 = 10$

UNIT—I

26. What are the advantages of shading?

27. Write a short note on soil laying.

UNIT—II

28. Where does indoor plants can be placed for home gardening?

29. Write a brief note on different gardening operations.

UNIT—III

30. What do you mean by Greenhouse technology?

31. Write the advantages of polyhouse.

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( Continued )

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UNIT—IV

32. Write a note on peat moss and its uses in gardening.

33. What are hydrophytes? Name one ornamental hydrophyte.  $1+1=2$

UNIT—V

34. Write a short note on indoor gardening.

35. Suggest two plants suitable for Bonsai making.

SECTION—C

Answer *five* questions, selecting *one* from each

Unit :  $8 \times 5 = 40$

UNIT—I

36. Write an illustrated note on the history of gardening in India.

37. Describe different styles of gardens.

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UNIT—II

38. Write illustrated notes on Terrace gardening and Landscaping.
39. Give an account of the post-harvest management of flowers.

UNIT—III

40. Give an account of the structure and functions of a Greenhouse.
41. Write a note on polyhouse. Mention the advantages and disadvantages of polyhouse.

UNIT—IV

42. Define layering. Describe different types of layering along with necessary diagrams.
43. What are plant growth regulators? Give an account of the different types of plant growth regulators and their functions.

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UNIT—V

44. Write an illustrated note on the Rashtrapati Bhavan Garden, New Delhi.
45. Write two plant names of the following categories :  
Bulbous plants; Ornamental trees; Pot plants; Ornamental ferns.

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