

**2025/FYUG/ODD/SEM/
BOTIDC-101T/223**

FYUG Odd Semester Exam., 2025

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*

UNIT—I

1. Answer any *four* from the following : $1 \times 4 = 4$

- (a) What is soil sterilization?
- (b) What is mother plant?
- (c) Define mulching.
- (d) What is de-shooting?
- (e) Define nursery.

2. Answer any one from the following :

- (a) Write a brief history of gardening.
- (b) Write an account on garden adornment.

3. Answer any one from the following :

- (a) Discuss various types of gardens.
- (b) Describe briefly various operations for successful gardening. Mention the measures of control insects and pests.

UNIT—II

4. Answer any four from the following :

- (a) What is kitchen garden?
- (b) Define landscape gardening.
- (c) Define public parks.
- (d) What is weedicide?
- (e) Write the objectives of gardening.

5. Answer any one from the following :

- (a) Write a brief note on orchards.
- (b) What do you mean by harvesting and storage?

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6. Answer any one from the following : 8

- (a) What is botanical garden? How does it differ from other types of gardens? Write a brief note on computer-aided garden designing. 1+3+4=8

- (b) Write an account on various management practices for control of weeds. Write notes on marketing practices for harvested products in gardening. 4+4=8

UNIT—III

7. Answer any four from the following : 1×4=4

- (a) Define polyhouse.
- (b) What is humidifier?
- (c) What is propagation frame?
- (d) What is the advantage of greenhouse technology?
- (e) Write two factors affecting growth of garden plants.

8. Answer any one from the following : 2

- (a) Write a brief note on glass house.
- (b) Write a short note on mist propagation unit.

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(Turn Over)

(4)

9. Answer any one from the following :

- (a) Give an account on advantages of polyhouse. Mention the role of greenhouse technology in plant conservation. Name some plants suitable for greenhouse technology.
- (b) Write an account on hot bed, net house and shed house. Mention a few synthetic plant growth regulators used in gardening.

UNIT—IV

10. Answer any four from the following :

- (a) What is micropropagation?
- (b) What is hydrophytes?
- (c) Define layering.
- (d) What is the composition of Rootex?
- (e) Write the scientific name of peat moss.

11. Answer any one from the following :

- (a) What are epiphytes? Give examples.
- (b) Write a note on cultivation process of banana.

(5)

Answer any one from the following : 8

- (a) What is seed dormancy? Write the causes of seed dormancy and methods of breaking seed dormancy. Write the roles of synthetic plant growth regulators.
 $1+2+2+3=8$
- (b) Define grafting. How grafting can be done? Write the process of cultivation and harvesting of potato and lady's finger.
 $2+2+4=8$

UNIT—V

13. Answer any four from the following : $1 \times 4 = 4$

- (a) What is indoor gardening?
- (b) What is pot plant?
- (c) Where is Lalbagh Garden situated?
- (d) What is terrarium?
- (e) Name two plants for landscaping of educational institutes.

4. Answer any one from the following : 2

- (a) Write a note on dish garden.
- (b) Write a brief note on Indian Botanical Garden.

(6)

15. Answer any *one* from the following :

- (a) Give an account on Bansai and vertical garden. Write a note on landscaping of highways and residential campuses. 4+4
- (b) Write a brief note on Tulip Garden and Brindavan Gardens. Write the plant names belonging to palms, ornamental climbers. 4+4

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