**P C Jabin Science College**

**Department of Botany**

**SEC NURSERY AND GARDENING- 303 B**

**2 Marks**

Unit 1:

1. Define Nursery.
2. Mention the objectives of nursery
3. What are the scope of Nursery?
4. What is direct seeding?
5. What are transplants?
6. What is hoe?

Unit 2:

1. Define seed.
2. What is dormancy?
3. What is seed bank?
4. What is genetic erosion?
5. What is seed certification?
6. What is seed testing?
7. What is seed viability?

Unit 3

1. What is air layering?
2. Define cutting?
3. What is rooting medium?
4. Define hardening of plants.
5. What is mist chamber?
6. What is shed root?
7. What is shade house?
8. Define glass house.
9. What is stock?
10. Define scion.
11. Stem cutting
12. Leaf cutting
13. T-budding
14. I-budding
15. Patch budding
16. Gootee
17. Air layering.
18. Simple layering
19. Compound/Serpentine layering
20. Tip layering
21. Flute budding
22. Forkert budding

Unit 4

1. Define Garden.
2. What is formal gardens?
3. What is Informal gardens?
4. What is Persian garden?
5. What is Mughal garden?
6. What is French gardens?
7. What is Italian gardens?
8. What is American gardens?
9. What is English gardens?
10. What is Japanese gardens?
11. What is Chinese gardens?
12. What are parks?
13. What is landscape?
14. What is manuring?
15. What is mulching?
16. Define CAD.
17. What is INM?
18. Define manure.

Unit 5

1. What is phosphine?
2. Define Aluminium phosphide.
3. Define Methyl bromide.
4. What is breeder seed?
5. What is registered seed?
6. What is certified seed?
7. Mention the improved varieties of tomatoes.
8. What is seed marketing?
9. What are the sources of seed available to farmers?

5 Marks

Unit 1

1. Explain the objectives of nursery.

2. Describe infrastructure of nursery.

3. Explain the planning of nursery.

Unit 2

1. Explant dicot seed.

2. Explain the monocot seed.

3. Explain the causes for breaking of seed.

4. Mention the factors affecting seed viability.

5. Explain genetic erosion.

6. What is seed testing?

7. What is seed certification?

8. Write a note on seed banks.

Unit 3

1. What is bud grafting? Explain any 3 types with diagrams.
2. What is stem cutting? Explain different types of stem cuttings methods of propagation.
3. What is vegetative propagation? Explain different types of vegetative propagation.
4. What is stem grafting? Describe different types of stem grafting.
5. What is layering. Describe different types of layering?
6. Explain types of stem cuttings.
7. What is vegetative propagation? Explain with plant modified organs
8. Describe method of air layering.
9. Explain stem grafting with an example.
10. Describe method of Bud grafting with one example.
11. Write a note on vegetative propagation
12. Explain the process of approach grafting with suitable diagrams
13. Explain the process of whip grafting with suitable diagrams
14. Explain the process of crown grafting with suitable diagrams
15. Explain the process of side grafting with suitable diagrams
16. Write a note on mist propagating unit and its significance.
17. Write a note on shade house.
18. Write a note on glass house.

Unit 4

1. Explain formal garden.

2. Explain Informal garden.

3. Write a note on parks.

4. Explain soil layering.

5. Explain mulching.

6. Mention the principles of landscaping.

7. Explain the elements of landscaping.

8. Mention the features of informal gardens.

9. Mention the features of formal gardens.

10. Explain the objectives landscaping.

11. Describe the functions for home landscaping.

12. Define manure.

13. Write a note on INM.

14. Mention the principles of weed management.

15. Write a note on biofertilizers.

16. Write a note on pest management.

17. Explain mulching.

18. Explain manuring.

19. Explain IPM.

20. Write a note on CAD.

21. Explain the computer applications of landscaping.

22. Explain the software used in landscaping.

Unit 5

1. Explain bed preparation of Cabbage.

2. Explain bed preparation of Tomatoes.

3. Explain the purpose of seed storage.

4. Write a note on phosphine.

5. Explain types of storage.

6. Describe the principles of storage.

7. Explain the factors affecting seed longevity in storage.

8. Describe the storage and maintenance of godowns.

9. Explain the classification of packing materials/ containers.

10. Describe the factors affecting seed longevity in storage.

10 Marks

Unit 1

1. Describe the infrastructure for nursery.

2. Explain the planning and seasonal activities of nursery.

3. Explain the planting and transplants of seeding.

Unit 2

1. Describe seed testing and seed certification.
2. Write a note on seed banks.
3. Explain the causes and methods of breaking seed dormancy.
4. Explain the factors of affecting seed viability.
5. Write a note on seed storage.

Unit 3

1. Explain the plant propagating structures.
2. Describe the different types of cuttings methods.
3. Explain the different types of budding methods.
4. Explain the different types of grafting methods.
5. What is bud grafting? Explain any 3 types with diagrams.
6. What is stem cutting? Explain different types of stem cuttings methods of propagation.
7. What is vegetative preparation? Explain different types of vegetative propagation.
8. What is stem grafting? Describe different types of stem grafting.
9. What is layering Describe different types of layering?
10. Briefly explain any two types of plant propagation techniques.
11. Explain different types of grafting practices with suitable diagrams
12. Explain different types of vegetative propagation practices with suitable diagrams
13. Write a detailed note on different layering techniques
14. Write a detailed note on different budding techniques with suitable diagrams.

Unit 4

1. Explain different types of formal gardens.

2. Explain different types of informal gardens.

3. Describe the software used in landscaping.

4. Explain gardening operations.

5. Explain CAD. Mention the applications.

6. Explain mulching.

7. Describe manuring.

8. Describe management of pests and diseases in garden.

Unit 5

1. Explain cultivation of Cabbage.

2. Describe cultivation of Brinjal.

3. Describe cultivation of Lady’s finger.

4. Describe cultivation of garlic.

5. Describe cultivation of Tomato.

6. Explain cultivation of Carrot.

7. Explain cultivation of Onion.

8. Describe the factors affecting seed longevity in storage.

9. Explain insect storage management.

10. Explain the storage and maintenance of godowns.