

**QUESTION-1 Write the following**

- i) Write a detailed account on : Seed storage. 7 Marks
- ii) Explain seed viability in detail. 7 Marks

**OR**

- i) Write down process of large scale seed production. 7 Marks
- ii) What is seed dormancy? Explain in detail. 7 Marks

**QUESTION-2 Write the following**

- i) Explain techniques/procedures and types of leaf cutting. 7 Marks
- ii) Explain Physiological aspects of rooting in cutting. 7 Marks

**OR**

- i) Explain Anatomical aspects of rooting in cutting. 7 Marks
- ii) Advantages and disadvantages of cutting. 7 Marks

**QUESTION-3 Write the following**

- i) What are the principles of Grafting? 7 Marks
- ii) What are the types of Grafting? Describe any Two. 7 Marks

**OR**

- i) Describe Approach grafting and Repair Grafting. 7 Marks
- ii) What is detached scion grafting and its type? & Describe Apical Graftage. 7 Marks

**QUESTION-4 Write the following**

- i) What is Layering? Explain any three types of Layering. 7 Marks

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ii) Explain: Propagation using Bulbs and Suckers 7 Marks

**OR**

i) Explain the Summer and Winter care for Lawns. 7 Marks

ii) What is Bonsai? Explain the steps of Preparing Bonsai. 7 Marks

**QUESTION-5**

14 Marks

▪ Attempt any seven out of twelve.

1. Explain seed viability with example.
  2. Explain seed dormancy.
  3. What pre-treatments are given to seed?
  4. Write down stages of DeNovo Adventitious root formation.
  5. Give 3 examples of leaf cutting with its types.
  6. Write down condition of any two plant factors which affect cutting.
  7. What is Scion and rootstock?
  8. What is Inarching method?
  9. What is Patch Budding?
  10. Give any two advantages of Layering.
  11. Name any two warm season grasses.
  12. Name any two cool season grasses.
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