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Register No. :

Name of the Candidate :

DIPLOMA EXAMINATION, 2010

(HORTICULTURAL NURSERY MANAGEMENT)

(PAPER – I)

110. PROPAGATION PRINCIPLES AND METHODS

December)

(Time: 3 Hours

Maximum: 100 Marks

SECTION – A

(5×2=10)

I. Answer any FIVE of the following giving short notes

1. Rootstock.
2. Hardwood cutting.
3. Air layering.
4. Epicotyl grafting.
5. Suckers.
6. Pot mixture.
7. Spagnum moss.
8. Containers.
9. Patch budding.
10. Asexual propagation.

SECTION – B

(5×2=10)

II. Define any FIVE of the following

1. Scion
2. Budding.
3. Veneer grafting.

4. Bulbs
5. Pot mixture
6. Layering
7. Growth Regulators
8. Vivipary
9. Top working
10. Mist chamber

SECTION – C

(5×4=20)

III. *Compare and contrast any FIVE of the following*

1. Rootstock and Scion.
2. Raised bed and flat bed.
3. Green house and glass house.
4. Suckers and tubers
5. Air layering and simple layering
6. Hardwood and softwood cutting.
7. Separation and Division.
8. Growth promoters and inhibitors
9. Tubers and Rhizomes
10. Vermiculite and Perlite

SECTION – D

(5×12=60)

IV. *Answer any FIVE of the following (Draw diagrams if necessary)*

1. Briefly discuss the selection of location for nursery.
2. Explain the method of raising seedlings in nursery bed.
3. Discuss the different types of cuttings.
4. Explain different Budding Methods.
5. Give a brief note on growth regulators.

6. Briefly discuss plant growing structures used for propagation
7. Give a brief note on special plant parts used for propagation.
