

Instruction: All questions in **Section - I** carry equal marks.
 Attempt any **Three** questions in **Section - I**.
 Questions I in **Section-II** is **COMPULSORY**.

Section - I

Q-I	A – Explain stages of seed production	7
	B – Short note on storage and viability of seeds.	7
Q-II	A - Explain flat seedling production.	7
	B – Explain plug production.	7
Q- III	A – Describe different types of stem cutting with examples.	7
	B – Describe a) Root cutting b) Leaf cutting c) Leaf bud cutting with examples	7
Q- IV	A-Define cutting. Explain advantages and disadvantages of vegetative plant propagation by cuttings.	7
	B-Explain De novo adventitious root formation in cuttings.	7
Q-V	A-Explain a) Top budding and b) Micro budding.	7
	B- Explain applications of grafting and budding.	7
Q-VI	A-Explain Genetic limitations of grafting.	7
	B-Explain the types of graft incompatibility.	7
Q-VII	A- Explain bulb as an important ornamental storage organ.	7
	B-Explain the methods of propagation grasses and factors to be kept in mind for its propagation.	7
Q-VIII	A-Write a note on types of Bonsai with neat diagram for each type.	7
	B-Write a note on steps involved in Bonsai preparation.	7

Section II

Q- IX

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1. Cutting is which type of Plant propagation?
 - a. Asexual propagation
 - b. Sexual Propagation
 - c. Both a and b
 - d. None of these

2. Grafting is which type of Plant Propagation?
 - a. Asexual propagation
 - b. Sexual Propagation
 - c. Both a and b
 - d. None of these

3. Vegetative Plant Propagation refers to
 - a. propagation using plant parts other than seeds
 - b. propagation using seeds
 - c. propagation involving meiosis
 - d. All of these

4. Which of the following is method of Vegetative Plant Propagation?
 - a. Cutting
 - b. Grafting
 - c. Budding
 - d. All

5. The operation of inserting one part of a plant in another in such a manner that union takes place between the two parts is called
 - a. Cutting
 - b. Grafting
 - c. Layering
 - d. None

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6. The plant or part of the plant on which the grafting is done is known as
 - a. Inter stock
 - b. scion
 - c. stock
 - d. None

 7. The Bonsai word is of Japanese origin but the art is of _____ origin?
 - a. Indian
 - b. Korean
 - c. Chinese
 - d. Mongolian

 8. Which type of Bonsai mimics the tree in nature that grow in rough conditions?
 - a. Formal upright
 - b. windswept
 - c. Semi cascade
 - d. Informal upright
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