

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**  
**SEMESTER END THEORY EXAMINATION**

**B.Sc.(Hons.) Horticulture**

Semester	: II (New)	Term	: Second	Academic Year	: 2022-23
Course No.	: H/FS 122	Title	: Plant Propagation and Nursery		
Credits	: 2 (1+1)		Management		
Day & Date	: Tuesday, 01.08.2023	Time	: 9:00 to 11:00 hrs.	Total Marks	: 40

- Note :
1. Solve ANY EIGHT questions from SECTION 'A'.
  2. All questions from SECTION 'B' are compulsory.
  3. All questions carry equal marks.
  4. Draw neat diagram wherever necessary.

**SECTION 'A'**

- Q.1 Write about the need of plant propagation.
- Q.2 Give the advantages and disadvantages of asexual propagation.
- Q.3 Write in detail about seed scarification method for breaking seed dormancy.
- Q.4 Write about budwood certification.
- Q.5 Write in short about mist chamber used in nursery.
- Q.6 Enlist the criteria for selection of mother tree.
- Q.7 Comment on effect of root stock on scion.
- Q.8 Enlist the types of cutting and explain any one of them.
- Q.9 Define micropropagation and give its advantages.
- Q.10 Write short notes on (Any Two):
- a) Chip budding      b) Softwood grafting      c) Air layering

**SECTION 'B'**

- Q.11 Define the following terms:

- 1) Apomixis
- 2) Chimera
- 3) Polyembryony
- 4) Seed dormancy

- Q.12 Fill in the blanks:

- 1) Grafting of 7 to 8 days old root stock in mango, is called as \_\_\_\_\_.
- 2) Malic hydrazide is an example of \_\_\_\_\_.
- 3) Parts of mother plants each of which is capable of producing roots in contact with soil while connect with mother plant, is known as \_\_\_\_\_.
- 4) The process of changing the soil of pot, is called \_\_\_\_\_.

