

SEMESTER END EXAMINATION

B.Sc. (Hons.) Horticulture

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| Semester : II (New) | Term : II | Academic Year : 2018-19 |
| Course No. : H/FS 122 | Title : Plant Propagation and Nursery Management | |
| Credits : 2 (1+1) | Time : 09.00 to 11.00 | Total Marks : 40 |
| Day & Date : Friday, 03.05.2019 | | |

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 diagrams wherever necessary.

SECTION "A"

- Q.1 What is plant propagation? Explain in detail the importance of plant propagation.
- Q.2 Enlist the methods of plant propagation. Write advantages and disadvantages of sexual propagation.
- Q.3 Define seed germination. Describe in brief the factors affecting seed germination.
- Q.4 Describe various structures used for plant propagation and nursery management.
- Q.5 Describe the role of mother trees in nursery.
- Q.6 Write in detail about Nursery Act and importance of nursery record keeping.
- Q.7
 - a) Describe in short the relationship between stock and scion.
 - b) Explain factors affecting vegetative propagation.
- Q.8
 - a) Explain polyembryony and write its horticultural significance.
 - b) What is micro propagation and write its advantages.
- Q.9 Define plant growth regulators and describe its methods of application.
- Q.10 Write short notes (Any Two).
 - a) Shield budding
 - b) Tongue layering in guava
 - c) Site selection for nursery establishment

SECTION "B"

- Q.11 Define the following terms.
1) Scion 2) Nursery 3) Seed dormancy 4) Totipotency
- Q.12 Match the following pairs.

“A”

“B”

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|-------------------|----------------|
| 1) Shield budding | a) Mango |
| 2) Air layering | b) Gladiolus |
| 3) Bulbs | c) Pomegranate |
| 4) Corm | d) Tuberose |
| | e) Rose |

