

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD
SEMESTER END EXAMINATION

B.Sc. (Hons.) Horticulture

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|------------|------------------------|-------|--|---------------|-----------|
| Semester | : II (New) | Term | : II | Academic Year | : 2017-18 |
| Course No. | : H/FS 122 | Title | : Plant Propagation and Nursery Management | | |
| Credits | : 2 (1+1) | | | | |
| Day & Date | : Thursday, 26.04.2018 | Time | : 09.00 to 11.00 | 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 diagrams wherever necessary.

SECTION "A"

- Q.1 Define plant propagation. Write in short about need and potentialities for plant propagation.
- Q.2 Enlist various types of seed dormancies occurred in plants? Write about internal and external factors affecting seed dormancy and describe the measures to overcome it.
- Q.3 Define micro propagation. Give its merits and demerits.
- Q.4 Describe in brief about different types of propagation structures used in nursery.
- Q.5 Define sexual and asexual propagation? Give its merit and demerits.
- Q.6 Write about propagation techniques of mandarin.
- Q.7 Define plant growth regulators and give its use in plant propagation.
- Q.8 Define seed germination? Enlist factors affecting seed germination.
- Q.9 Define plant growing media. Enlist various plant growing media(s) used in nursery and its advantages.
- Q.10 Write short notes (Any Two).
- a) Nursery act b) Mother block c) Seed vigour

SECTION "B"

- Q.11 State True or False.
- 1) Ethylene is a rooting hormone.
 - 2) Guava is propagated by budding.
 - 3) Khirni root stock used in pine apple propagation.
 - 4) Mango is propagated by stone grafting.

- Q.12 Match the following pairs.

"A".

"B"

- | | |
|-----------|---------------------|
| 1) Mango | a) NA-7 |
| 2) Banana | b) Cricket ball |
| 3) Aonla | c) Grand naine |
| 4) Sapota | d) Growth regulator |
| | e) Kesar |

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