**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**
**SEMESTER END THEORY EXAMINATION**
**B.Sc.(Hons.) Horticulture**

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|---|---|---|---|---|---|
| Semester | : IV (New) | Term | : Second | Academic Year | : 2023-24 |
| Course No. | : H/FS 247 | Title | : Dry Land Horticulture | | |
| Credits | : 2 (1+1) | | | | |
| Day & Date | : Tuesday, 16.04.2024 | 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 the importance and scope of dry land fruit crops.

Q.2 What are the constraints of Dry land Horticulture?

Q.3 Write in short about wind break and its advantages.

Q.4 Write about the cultivation of Ber on the following points:

a) Soil and Climate
b) Propagation and Planting
c) Training and Pruning
d) Varieties

Q.5 a) Write harvesting period and signs of maturity of Custard apple.

b) Write two improved varieties and average yield of Jamun.

Q.6 Write in short about soil erosion. Enlist different soil and water conservation methods.

Q.7 Write in detail cultivation practices of Aonla on the following points:

a) Soil and Climate
b) Propagation and Planting
c) Varieties
d) Harvesting and Yield

Q.8 Discuss in detail cultivation of Tamarind on the following points:

a) Uses
b) Soil
c) Planting
d) Harvesting and Yield

Q.9 Write short notes on (Any Two):

a) Training and Pruning in Pomegranate
b) Notching in Fig
c) Bahar treatment

Q.10 Write the botanical name and family of the following crops:

| Crop name | Botanical name | Family |
|---|---|---|
| Date palm | | |
| Carambola | | |
| Rambutan | | |
| Bael | | |

**(P.T.O.)**

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## SECTION 'B'

Q.11 State True or False:

1) Wood apple belongs to the family Moraceae.
2) Charoli is propagated by seeds.
3) 'Phule Arakta' is a variety of Jamun.
4) Aonla is a rich source of Vitamin C.

Q.12 Fill in the blanks:

1) _____ fruit is called as the 'King of Arid Fruit Crops'.
2) The family of Phalsa is _____.
3) Fig is commercially propagated by _____.
4) The botanical name of Bullock heart (Ramphal) is _____.

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