**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 | : **2022-23** |
| Course No. | : **H/FS 247** | Title | : **Dry Land Horticulture** | | |
| Credits | : **2 (1+1)** | | | | |
| Day & Date | : **Wednesday, 05.07.2023** | Time | : **09:00 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 Discuss the importance and scope of dry land horticulture.

Q.2 Write in short the constraints faced in dry land horticulture.

Q.3 Enumerate special adaptive features of horticultural crops in dry land conditions.

Q.4 Enlist different methods to overcome evapotranspiration.

Q.5 Discuss about objectives of watershed development.

Q.6 Comment on consequences of soil erosion along with its types.

Q.7 Discuss on aspects of canopy management in Date palm and Aonla crop.

Q.8 Write in brief about propagation and planting of Custard apple.

Q.9 Discuss special horticultural operations followed in cultivation of Ber and Pomegranate.

Q.10 Write on following aspects of Phalsa and Wood apple:

a) Propagation b) Flowering and Fruiting

**SECTION 'B'**

Q.11 Define the following terms:

1) Mulching 2) Wind breaks

3) Micro-catchment 4) Dry land horticulture

Q.12 State True or False. If False, correct and re-write it:

1) Charoli seeds are a good source of proteins.

2) Notching is a special horticultural practice followed in Fig crop.

3) Loquat was introduced in India under the name of Japanese plum.

4) Rambutan belongs to the family Sapindaceae.

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