

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

Semester	: III (New)	Term	: First	Academic Year	: 2023-24
Course No.	: II/FS 233	Title	: Tropical and Subtropical Fruits		
Credits	: 3 (2+1)				
Day & Date	: Monday, 4.12.2023	Time	: 9:00 to 12:00 hrs.	Total Marks	: 80

- 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 in brief about the scope and importance of tropical and subtropical fruits in India.
- Q.2 Define classification of fruits. What is the use of classification and enlist various basis of classification of tropical and sub-tropical fruits.
- Q.3 Write short notes on (Any Two):
- a) Alternate bearing in mango
 - b) Rainfed horticulture
 - c) Seed production in papaya
- Q.4 Mention the important harvesting indices of the following fruit crops:
- a) Aonla
 - b) Ber
 - c) Pomegranate
 - d) Fig
- Q.5 Describe the following special production problems of fruit crops:
- a) Black tip in mango
 - b) Decline in citrus
- Q.6 Describe the cultivation practices of sweet orange on the following aspects:
- a) Soil and Climate
 - b) Planting and After cares
 - c) Flower regulation
 - d) Harvesting and Yield
- Q.7 Explain in brief about banana on the following points:
- a) Soil and Climate
 - b) Selection of suckers for planting
 - c) Maturity indices
 - d) Seediness and Kokan disease
- Q.8 Write in detail on following aspects of sapota:
- a) Soil and Climate
 - b) Planting
 - c) Manures and Fertilizers
 - d) Maturity indices
- Q.9 Describe in brief about litchi on the following aspects:
- a) Propagation and Planting
 - b) Varieties
 - c) Training and Pruning
 - d) Fruit cracking
- Q.10 Explain in brief the information of mangosteen in respect of the following points:
- a) Soil and Climate
 - b) Propagation and Planting
 - c) Removal of male plants
 - d) Harvesting and Yield

(P.T.O.)

SECTION 'B'

Q.11 Match the pairs :

'A'

- 1) Rose apple
- 2) Rambutan
- 3) Passion fruit
- 4) Loquat
- 5) Jackfruit
- 6) Bilimbi
- 7) Bale
- 8) Avocado

'B'

- a) Moraceae
- b) Passifloraceae
- c) Oxalidaceae
- d) Lauraceae
- e) Myrtaceae
- f) Rutaceae
- g) Sapindaceae
- h) Rosaceae

Q.12 Fill in the blanks:

- 1) The botanical name of carambola is _____.
- 2) Bending is practiced in _____ fruit crop.
- 3) The botanical name of breadfruit is _____.
- 4) _____ variety of mango contributes the major share in Indian mango export.
- 5) *Durio zibethinus* is the botanical name of _____.
- 6) Caprification is required in _____ fruit crop.
- 7) Botanically, pineapple fruit is _____.
- 8) 'Balanagar' is a variety of _____ fruit crop.

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