

**MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE**  
**SEMESTER END THEORY EXAMINATION**

**B.Sc.(Hons.) Agriculture**

Semester	: IV (New)	Term	: Second	Academic Year	: 2021-22
Course No.	: HORT 243	Title	: Production Technology for Fruit and Plantation Crops		
Credits	: 2 (1+1)				
Day & Date	: Wednesday, 21.09.2022	Time	: 14:00 to 16:00 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 of fruit and plantation crops cultivation in India.
- Q.2 Describe cultivation of Mango on the following aspects:
- a) Ecophysiological requirement
  - b) Propagation and rootstocks used
  - c) Nutrient management
  - d) Harvesting and yield
- Q.3 Discuss in detail cultivation of Banana on the following points:
- a) Soil and climate
  - b) Propagation and planting
  - c) Harvesting and yield
  - d) Propping and mattocking
- Q.4 Write cultivation of Coconut on the following aspects:
- a) Soil and climate
  - b) Raising of seedlings and planting
  - c) Manures and fertilizers
  - d) Harvesting and yield
- Q.5 Give in detail cultivation of Mandarin Orange on the following points:
- a) Soil and climate
  - b) Manures and fertilizers
  - c) Harvesting and yield
  - d) One important disease with control measure
- Q.6 Write cultivation practices of Cashew nut about:
- a) Soil and climate
  - b) Varieties
  - c) Propagation and planting
  - d) Harvesting and yield
- Q.7 Discuss cultivation of Pomegranate in respect of :
- a) Soil and climate
  - b) Propagation and planting
  - c) Harvesting and yield
  - d) Management of bacterial blight disease
- Q.8 Furnish information about Papaya on:
- a) Reasons of popularity among growers and sex forms
  - b) Papain extraction

(P.T.O.)

**Q.9 Give information on:**

a) Meadow orcharding in Guava

b) Processing of Coffee

**Q.10 Describe the cultivation of Tea on the following points:**

a) Soil and climate

b) Propagation and planting

c) Manuring

d) Plucking and yield

### **SECTION 'B'**

**Q.11 Answer in one sentence:**

1) Name the variety of Grapes for juice-purpose released by ICAR-NRC for Grapes.

2) Which two rootstocks are wilt resistant and compatible for grafting in Guava?

3) Which is the major physiological disorder of Rubber tree?

4) State ideal temperature for fruit setting in Litchi.

**Q.12 Do as directed:**

1) Which two fruits can be eaten as vegetable as well as a fruit?

2) State two day-neutral varieties of Strawberry.

3) State family of the Apple.

4) Name dwarf type hybrid of Areca nut.

