

MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE
SEMESTER END THEORY EXAMINATION

B.Sc.(Hons.) Horticulture

Semester	: V (New)	Term	: First	Academic Year	: 2022-23
Course No.	: H/FS 358	Title	: Plantation Crops		
Credits	: 3(2+1)				
Day & Date	: Wednesday, 01.02.2023	Time	: 14:00 to 17:00 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 Discuss the importance and scope of plantation crops in India.
- Q.2 Describe in brief the cultivation of tea on the following points:
- a) Planting
 - b) Training and pruning
 - c) Harvesting and yield
 - d) Types of tea
- Q.3 Explain in brief the cultivation of arecanut on the following points:
- a) Improved varieties
 - b) Nutrient management
 - c) Harvesting and yield
 - d) Processing of kalipak
- Q.4 Discuss in detail the cultivation of cocoa on the following points:
- a) Propagation
 - b) Training and pruning
 - c) Harvesting and yield
 - d) Fermentation process in cocoa
- Q.5 Write the commercial cultivation of coconut on the following points:
- a) Soil and climate
 - b) Improved varieties
 - c) Harvesting and yield
 - d) Value-added products
- Q.6 Write in short the coffee cultivation on the following aspects:
- a) Climate and soil
 - b) Shade regulation
 - c) Harvesting
 - d) Wet processing method of coffee
- Q.7 Discuss the cultivation of cashew nut on the following points:
- a) Propagation
 - b) Top working in cashew
 - c) Harvesting and yield
 - d) Cashew nut processing
- Q.8 Describe in brief the cultivation of oil palm on the following points:
- a) Climate and soil
 - b) Varieties
 - c) Harvesting
 - d) Palm oil processing

(P.T.O.)

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

- a) Coconut seed nut selection and sowing in nursery
- b) Harvesting and yield of betel vine
- c) Harvesting and edible products of palmyrah palm

Q.10 Write in short the cultivation of rubber on the following points:

- a) Propagation
- b) Planting
- c) Tapping process
- d) Marketable forms of natural rubber

SECTION 'B'

Q.11 Fill in the blanks:

- 1) SVPR-1 is an improved variety of _____ palm.
- 2) Central Plantation Crop Research Institute (CPCRI) is located in the state of _____.
- 3) The botanical name of rubber tree is _____.
- 4) Kerasankara hybrid of coconut is a cross between _____.
- 5) A removal of young male and female inflorescences and bunches during the first three years of oil palm growth, is called as _____.
- 6) Akot Kapoori is a variety of _____.
- 7) Arecanut is commonly propagated by _____.
- 8) _____ plantation crop is called as 'Food of the Gods'.

Q.12 State True or False:

- 1) Coconut palm is dioecious in nature.
- 2) The peeling makes the shell brittle in cashew nut processing.
- 3) Palmyrah palm is commonly propagated by seed.
- 4) Arabica coffee variety is suitable for higher elevation planting.
- 5) United Planters Association of Southern India (UPASI) is located in the state of Kerala.
- 6) Rubber tree originated from South America.
- 7) Botanical name of betel vine is *Areca catechu*.
- 8) Plantation crops are commonly grown in temperate region.

