

**POST GRADUATE DIPLOMA IN
PLANTATION MANAGEMENT
(PGDPM)**

Term-End Examination

**MAM-002 : CROP PRODUCTION
TECHNOLOGY**

Time : 3 Hours]

[Maximum Marks : 100

Note: Answer any ten questions.

All questions carry equal marks.

1. A. State True or False of the following: 1x5=5
- (i) Rubber is commercially propagated through seeds.
 - (ii) Panniyar- 3 is a high yielding black pepper hybrid.
 - (iii) The leading tea producing state in India is Tamil Nadu.
 - (iv) Clove originated in Moluccas.
 - (v) The scientific name of robusta coffee is *Coffea arabica*.



b. Give two examples for each of the following:

1x5=5

- (i) Bioagents for pest management
- (ii) Coconut hybrids
- (iii) Shade tolerant intercrops of coconut
- (iv) Rubber clones recommended for traditional areas
- (v) Varieties suited for organic farming of coffee

2. Distinguish between- $2\frac{1}{2} \times 4 = 10$

- a. Multiple cropping and Monocropping
- b. INM and IDM
- c. Tall and Dwarf varieties of coconut
- d. Centering and tipping

3. Write short notes on (any two) - $2 \times 5 = 10$

- a. Top working in cashew
- b. Planting density in rubber
- c. conversion period for organic farming

4. State briefly how do the following practices help in growth and productivity? $2\frac{1}{2} \times 4 = 10$
- a. Green leaf manuring of coconut
 - b. Regulation of flowering in cashew
 - c. Foliar feeding in coffee
 - d. Use of growth retardants in tea
5. Write down the symptoms of the following pests / diseases. $2\frac{1}{2} \times 4 = 10$
- a. Primary root diseases of tea
 - b. Abnormal leaf fall of rubber
 - c. Rhinoceros beetle
 - d. Coffee white steam borer
6. a. Give the extent of active lateral root spread of coconut. 5
- b. What are the casual organism and transmitting agents of coconut root- wilt disease? 5
7. Discuss the vegetative propagation methods used in cashew. 10

8. a. What are the basic requirements to make IPM perfect (with special reference to spices)? 5
- b. Write about rapid multiplication of black pepper. 5
9. Give a brief account of Good Agricultural Practices (GAP) in spices production.
10. Describe the following: $2\frac{1}{2} \times 4 = 10$
- a. Inspections agencies of organic certification.
- b. Bio fertilization in tea cultivation
- c. Allspice
- d. CXR hybrids
11. Briefly explain the field planting practices in tea plantation. 10
12. Discuss the ideal agro climatic conditions suited for rubber plantation. 10
13. Give a brief account on nutrient management practices in coffee. 10

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