

POST GRADUATE DIPLOMA IN
PLANTATION MANAGEMENT (PGDPM)

Term-End Examination

December, 2018

MAM-002 : CROP PRODUCTION TECHNOLOGY

Time : 3 hours

Maximum Marks : 100

- Note : (i) Answer any ten questions.
(ii) All questions carry equal marks.

1. (a) State True or False of the following : 1x5=5
- (i) Kerala is the leading cashew producing state in India.
 - (ii) Coconut productivity is the highest in Kerala.
 - (iii) Black pepper is propagated commercially through rooting of lateral shoots.
 - (iv) Darjeeling Tea is grown under an altitude of 200 m above MSL.
 - (v) Abnormal leaf fall of rubber is caused by *Phytophthora Palmivora*.
- (b) Give two examples for each of the following : 1x5=5
- (i) Nitrogen fertilizers
 - (ii) Coconut hybrids
 - (iii) Varieties of cashew
 - (iv) Shade trees in tea plantations
 - (v) Intercrops in coconut

2. Distinguish between : 2¹/₂x4=10
- (a) Malabar and Mysore Cardamom
 - (b) TXD and DXT
 - (c) Robusta and Arabica
 - (d) Keraganga and Anande ganga
3. Write short notes on the following : 2x5=10
- (a) High Density Planting in cashew
 - (b) Recycling of wastes in coconut plantations
 - (c) Management of young tea
 - (d) Coffee leaf rust disease
 - (e) Seed treatment in cardamom
4. State briefly the following practices : 2¹/₂x4=10
- (a) Pollarding in tea
 - (b) Mulching in coconut plantation
 - (c) Vegetative propagation in coffee
 - (d) Cover cropping in rubber
5. Discuss briefly the following : 2x5=10
- (a) Blossom and backing showers in coffee .
 - (b) Aim and principles of Integrated Pest Management (IPM).
6. Write down the symptoms of the following pests/diseases : 2¹/₂x4=10
- (a) Coffee Berry Burer
 - (b) Powdery Mildew of Rubber
 - (c) Katte disease of Cardamom
 - (d) Red Palm weevil in Coconut
7. What are tree spices ? Discuss the cultural practices of any two tree spices. 10

8. Discuss the steps involved in soft wood grafting in cashew. 10
9. (a) What do you understand by discriminatory fertilizer recommendation in rubber? 5
(b) Write the nutrient deficiency symptoms in rubber. 5
10. Describe the causes, symptoms and management strategies for root and stem diseases in Tea. 10
11. (a) Explain briefly the Primary and Secondary nursery practices in Cardamom. 5
(b) Discuss the large scale multiplication methods of black pepper. 5
12. Discuss the major pest in coffee and their management. 10
13. Discuss the growth rhythm of Tea Shoots. Explain the plucking styles and standards in Tea harvesting. 10
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