

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

**Term-End Examination**

**June, 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) Cashew is commercially propagated through seeds.
  - (ii) Arabica coffee is more adapted for cultivation in plains.
  - (iii) The leading black pepper producing state is Kerala.
  - (iv) Katte disease of cardamom is caused by fungus.
  - (v) RR11 105 is a category II clone of rubber.
- (b) Give two examples for each of the following : **1x5=5**
- (i) Tea clones
  - (ii) Cashew varieties
  - (iii) Arabica coffee varieties
  - (iv) Micronutrients
  - (v) Phosphatic fertilizers

2. Distinguish between :  $2\frac{1}{2} \times 4 = 10$
- (a) Assam tea and China tea.
  - (b) Seed propagation and vegetative propagation.
  - (c) Centering and tipping.
  - (d) Cover cropping and inter cropping.
3. Write short notes on : (any two)  $2 \times 5 = 10$
- (a) Coconut nursery
  - (b) Organic cultivation of black pepper
  - (c) Clonal Tea nursery
4. State briefly how do the following practices help in growth and productivity ?  $2\frac{1}{2} \times 4 = 10$
- (a) Organic recycling in cashew
  - (b) Types of pruning in tea
  - (c) Weed management in coffee
  - (d) Green manuring in coconut
5. (a) Write briefly on the different types of shoots in black pepper and their significance in commercial propagation. 5
- (b) List out the important diseases affecting tea and suggest control measures. 5
6. Write down the symptoms of the following pests / diseases.  $2\frac{1}{2} \times 4 = 10$
- (a) Red palm weevil in coconut
  - (b) Kokke Kandu in cardamon
  - (c) Powdery mildew in rubber
  - (d) Coffee leaf rust disease

7. (a) Describe inter and mixed cropping practices in coconut. 5  
(b) Explain briefly on drought management practices in coconut plantations 5
8. Briefly discuss cultivation practices of cardamon. 10
9. Comment on the following techniques :  $2\frac{1}{2} \times 4 = 10$   
(a) Top working in cashew  
(b) Green budding in rubber  
(c) Pollarding in tea  
(d) Pruning in coffee
10. List out the pests of cashew. Discuss the symptoms and control measures of Tea mosquito bug. 10
11. Explain the cultural operation followed in rubber plantation. 10
12. Explain briefly on :  $2 \times 5 = 10$   
(a) Propagation methods of rubber.  
(b) What are the steps involved in certification process in organic coffee ?
13. Discuss the principles and practices of crop production, pest and disease management followed under GAP in spices. 10
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