

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

Term-End Examination

December, 2017

MAM-002 : CROP PRODUCTION TECHNOLOGY

Time : 3 hours

Maximum Marks : 100

Note : *Answer any ten questions. All question carry equal marks.*

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1. (a) Give the correct expansion of the following : 5x1=5
- (i) GAP
 - (ii) INDOCERT
 - (iii) CLR
 - (iv) RRH
 - (v) NPK
- (b) Mention two examples of each of the following : 5x1=5
- (i) Varieties of cardamom
 - (ii) Tree spices
 - (iii) Common weeds of tea
 - (iv) Liming material for coffee
 - (v) Tea leaf feeders
2. (a) Explain the single node cuttings techniques for propagating black pepper. 5
- (b) What is the method of production of cardamom seedling. 5

3. Define the following : 5x2=10
- (a) Earthing up
 - (b) Centering
 - (c) Rejuvenation pruning
 - (d) Blossom showers
 - (e) Root stock and Scion
4. (a) What are the basic requirements to make IPM a perfect ? 5
- (b) Write the meaning and principles of good agricultural practices. 5
5. (a) Write the origin and climatic requirements of tea. 5
- (b) What are practices required for post planting care of young tea plants ? 5
6. Explain the following :
- (a) Shade management in tea. 5
 - (b) Cover crop establishment in rubber plantation. 5
7. Discuss the nutrient deficiency symptoms along with their remedial measures in tea plantation. 10
8. (a) What are the clones recommended for planting by the Rubber Board ? 5
- (b) Discuss about the properties of soils suitable for cultivation of rubber. 5
9. (a) What do you understand by non - parasitic maladies ? Write the symptoms of non - parasitic maladies in rubber. 5
- (b) Write the steps involved in organic certification. 5

10. Describe the practices followed for bush management in coffee . 10
11. (a) Differentiate between climatic requirements of arabica coffee and robusta coffee. 5
(b) Explain about the preparation of land and planting of seedlings in coconut plantation. 5
12. Write a note on the nutrients which are commonly deficient in coconut soils. Explain how problem of nutrient deficiency in coconut soils is solved ? 10
13. Discuss the major pests of cashew along with their control measures. 10
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