

00491

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

Term-End Examination

June, 2013

MAM-002 : CROP PRODUCTION TECHNOLOGY

Time : 3 hours

Maximum Marks : 100

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

1. (a) Name the leading state producing the following crop in India. **1x5=5**
- (i) Tea
 - (ii) Cashew
 - (iii) Coconut
 - (iv) Black pepper
 - (v) Robusta coffee
- (b) Give the recommended spacing of the following crops. **1x5=5**
- (i) Arabica coffee
 - (ii) Clove
 - (iii) Tea
 - (iv) Rubbee
 - (v) Cardamom

2. Name the following : **2x5=10**
- (a) Centres of origin of coconut and black pepper
 - (b) Two coffee varieties suited for organic farming
 - (c) Two clones of rubber recommended for traditional areas
 - (d) Two beetle parts of coconut
 - (e) Scientific name of bay leaf and cinnamari
3. Name the parts used for consumption in the following crops : **2x5=10**
- (a) Nutmeg
 - (b) All spice
 - (c) Garcinia
 - (d) Cinnamari
 - (e) Cassia
4. Write short notes on : **2x5=10**
- (a) Biclinal Seed Stock (BSS)
 - (b) Propagation of Garcinia
 - (c) Use of silt pits in rubber plantations
 - (d) Clove
 - (e) Symptoms of stem bleeding in coconut.

5. Comment briefly on the following : 2x5=10
- (a) Irrigation of coffee
 - (b) Mother tree selection in cashew
 - (c) Fertilizer requirement of coconut hybrids
 - (d) INM practices for small cardamom
 - (e) Types of aerial shoots in a black pepper
6. (a) Describe in brief important varieties of black pepper. 5
- (b) Write briefly an planting and aftercare of black pepper. 5
7. (a) What are the components of IPM ? 5
- (b) Why is cleft grafting done in tea ? 5
8. (a) List out leaf feeding parts of tea and suggest control measures. 5
- (b) What is high density planting in cashew ? 5
9. (a) Write a short note on establishment of nutmeg plantation. 5
- (b) Explain briefly on nursery practices in clove. 5
10. Explain briefly propagation of rubber. 10

11. Describe training and pruning methods in coffee. 10
 12. Explain nutrient management of coconut. 10
 13. What are the factors affecting utilization of nutrients in tea ? Describe. 10
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