

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

**Term-End Examination**

**June, 2014**

**MAM-002 CROP PRODUCTION TECHNOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

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*Note : Attempt any ten questions. Question number 2 is compulsory.  
All questions carry equal marks.*

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1. (a) Fill up the blanks. 1x5 = 5
- i. .... Is the plant part used for large scale multiplication of pepper.
  - ii. The scientific name of small cardamom is .....
  - iii. Primary growth from pruned frame of tea bush is called.....
  - iv. Conversion period to qualify coffee for organic certification is .....
  - v. Hybrid of WCT X MYD is named as .....
- (b) Define the following:
- i Banji
  - ii Softwood grafting
  - iii Mother Palm

iv Intercropping

v Ortet

2. Give *two* examples for each of the following: **2x5 =10**
- Improved Varieties of small cardamom developed from Malabar type.
  - Commonly used growth regulators in tea.
  - Major diseases of rubber.
  - Improved selections of Arabica Coffee.
  - Types of planting materials in cashew.
3. What do you mean by the following (answer **2x5 =10** in 2-3 sentences).
- Vazhukka.
  - Maintenance foliage.
  - Polybag nursery.
  - Training in coffee.
  - Root wilt disease of coconut.
4. Distinguish / differentiate between. **2x5 =10**
- Green manure and Greenleaf manure.
  - Assam jat and China jat.
  - Blossom Shower and Backing Shower.
  - Nitrogen deficiency and Potassium deficiency in rubber.
  - Arabica and Robusta coffee.

5. Give reasons for the following: 2x5 =10
- a. IPM is the best method for pest management.
  - b. In katte prone areas, seed propagation of cardamom is advocated.
  - c. Kaolin is sprayed on tea bush during summer.
  - d. Polybag plant is the best planting material in rubber.
  - e. For control of rhinoceros beetle, cowdung pits are treated with chemicals.
6. Write short notes on *any four* of the following: 2½x4= 10
- a. Pruning in tea.
  - b. Cover Cropping in rubber.
  - c. Improved varieties of Arabica coffee.
  - d. Vegetative Propagation in cashew.
7. Give a brief account of the plant protection chemicals used in the plantation sector. 10
8. Elucidate the problems and Prospects of Plantation crops Cultivation in India. 10
9. Describe the establishment and maintenance of coconut nursery and drought Management in coconut garden. 10

10. Write an essay on nutrient management and cover cropping in rubber. **10**
11. Briefly discuss the various agro- techniques in the planting and maintenance of cardamom plantation. **10**
12. Write an essay on organic production of black pepper. **10**
13. What are the major pests of coffee? Explain the major symptoms of attack and Control measures. **10**
14. What are the major diseases of tea? Explain the major Symptoms of infection and control measures. **10**