

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

**Term-End Examination**

00955

**June, 2019**

**MAM-002 : CROP PRODUCTION TECHNOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

- 
- Note :** 1. *Attempt any ten questions.*  
2. *All questions carry equal marks.*
- 

1. (a) Give the correct expansion of the following : 5×1=5
- (i) GAP
  - (ii) BSS
  - (iii) INM
  - (iv) VAM
  - (v) RRIM
- (b) Mention *two* examples of each of the following : 5×1=5
- (i) Improved varieties of black pepper
  - (ii) Leading countries producing clove
  - (iii) Diseases caused by fungi in coconut
  - (iv) Category I clones recommended for traditional areas
  - (v) Improved cashew varieties for Karnataka

2. Distinguish between the following :  $4 \times 2 \frac{1}{2} = 10$
- (a) Pollarding and Lopping
  - (b) Green budding and Brown budding
  - (c) Robusta and Arabica
  - (d) GAP and Organic farming
3. Give the scientific names of the following crops :  $5 \times 2 = 10$
- (a) Robusta coffee
  - (b) Tamarind
  - (c) Cassia
  - (d) Cashew
  - (e) Tea
4. Give brief notes on the following :  $4 \times 2 \frac{1}{2} = 10$
- (a) Mixed Cropping in Coconut
  - (b) Root Distribution Pattern in Cashew
  - (c) Bush Pepper
  - (d) Root Trainer Plants in Rubber
5. Explain the commercial method of propagation in the following crops :  $4 \times 2 \frac{1}{2} = 10$
- (a) Clove
  - (b) Tea
  - (c) Cinnamon
  - (d) Coconut

6. Write short notes on the following :

$$4 \times 2 \frac{1}{2} = 10$$

- (a) Cover Cropping
- (b) Biofertilizers
- (c) Pruning
- (d) Soil Texture

7. Name the following :

$$10 \times 1 = 10$$

- (a) Centre of origin of rubber
- (b) Leading coconut producing State in India
- (c) Spacing recommended for coconut under good management
- (d) Causal organism for coffee leaf rust disease
- (e) Spacing for tea under single hedge method
- (f) Average yield of coconut under good management
- (g) A hybrid of Assam and China jats of tea
- (h) Parents of coconut hybrid Lakshaganga
- (i) Most important borer pest of coffee
- (j) Crop shoots required for production of 1 kg of tea

8. Give an account of discriminatory fertilizer recommendation in rubber.

10

9. Describe in detail, the method of constructing IPM model for cardamom.

10

10. What are the climatic requirements for growing Arabica and Robusta coffee ? 10
11. Give a brief account on mother palm selection and discuss the preparation of land and planting of seedlings in coconut. 10
12. (a) List out the major pests of coconut. Describe the symptoms of attack and methods of control of any two pests. 5
- (b) Explain briefly on conversion of plantations for organic cultivation. 5
13. (a) What are the effects of temperature on rubber production ? 5
- (b) Describe the diseases of cashew. 5
-