

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

**Term-End Examination**

**June, 2016**

00792

**MAM-002 : CROP PRODUCTION TECHNOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

*Note : Answer any ten questions all carry equal marks.*

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1. (a) Give the correct expansion of the following : 5x1=5
- (i) PB
  - (ii) VAM
  - (iii) RRH
  - (iv) IDM
  - (v) OF
- (b) Mention two examples of each of the following : 5x1=5
- (i) Varieties of cashew
  - (ii) BIOAGENTS for pest and disease control in organic spice production
  - (iii) Traditional areas of rubber cultivation
  - (iv) Beetle pests of coffee
  - (v) Conversion period for organic cultivation

2. Distinguish between : 5x2=10
- (a) IPM and IDM
  - (b) Robusta and Arabica
  - (c) Training and Pruning
  - (d) Nutmeg and Mace
  - (e) Root trainer plants and Poly bag plants of rubber
3. Give the scientific names of the following crops : 5x2=10
- (a) Nutmeg
  - (b) Bay leaf
  - (c) Cinnamon
  - (d) Cassia
  - (e) Cashew
4. Write brief notes on the following : 4x2<sup>1</sup>/<sub>2</sub>=10
- (a) Organic spices
  - (b) Symptoms of N deficiency in tea
  - (c) Pruning in coffee
  - (d) Cover cropping in rubber
5. Explain the commercial method of propagation in : 4x2<sup>1</sup>/<sub>2</sub>=10
- (a) Coconut
  - (b) Robusta coffee
  - (c) Cardamom
  - (d) Garcinia
6. Define the following terms : 5x2=10
- (a) INM
  - (b) Trap crop
  - (c) Tapping
  - (d) Lopping
  - (e) Pollarding

7. Name the following : 10x1=10
- (a) Spacing of coconut
  - (b) Spacing of cashew
  - (c) Leading coffee growing state in India
  - (d) Average yield of cashew in India
  - (e) Population density recommended for rubber
  - (f) Type of shoot used for propagation in black pepper
  - (g) Sulphur deficiency of tea
  - (h) A coconut hybrid
  - (i) Type of grafting followed in cashew
  - (j) A dwarf coconut variety
8. Give an account of pests of coconut with methods of control. 10
9. Calculate the quantity of fungicide Dithane M 45 (50 WP) required to prepare 1 litre of 0.20% spray solution. 10
10. Write an account of preparing rooted cuttings in black pepper. 10
11. Write briefly on post-planting care and management of rubber plantation. 10

12. (a) Discuss briefly environmental factors influencing productivity of arabica coffee. 5
- (b) Write a brief note on coconut planting and aftercare. 5
13. (a) Describe diseases infecting cardamom and methods of their control. 5
- (b) Write a brief note on drought tolerant arabica strains. 5
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