

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

Term-End Examination

December, 2015

MAM-002 : CROP PRODUCTION TECHNOLOGY

Time : 3 hours

Maximum Marks : 100

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

1. (a) Give the correct expansion of the following : 5x1=5
- (i) FAQ
 - (ii) FYM
 - (iii) RRIM
 - (iv) GAP
 - (v) CXR
- (b) Mention **two** examples each of the following : 5x1=5
- (i) Clones of rubber
 - (ii) Varieties of black pepper
 - (iii) Varieties of robusta coffee
 - (iv) Coconut hybrids
 - (v) Cardamom varieties
2. Distinguish between : 5x2=10
- (a) Mysore cardamom and Malabar cardamom.
 - (b) China tea and Assam tea.
 - (c) Tall coconut and Dwarf coconut.
 - (d) Biclinal seed and Polyclonal seed.
 - (e) INM and IPM.

3. Give the scientific names of the following crops : 5x2=10
- (a) Small cardamom
 - (b) Clove
 - (c) Rubber
 - (d) Coconut
 - (e) China tea
4. Write brief note on the following : 4x2½=10
- (a) Soils suitable for growing coffee.
 - (b) Rapid multiplication in black pepper.
 - (c) CXR hybrids.
 - (d) Tea yellows.
5. Write the method of propagation (commercially accepted) in the following crops : 5x2=10
- (a) Rubber
 - (b) Cashew
 - (c) Nutmeg
 - (d) Garcinia
 - (e) Clove
6. Explain INM practices for the following crops : 4x2½=10
- (a) Black pepper
 - (b) Small cardamom
 - (c) Clove
 - (d) Nutmeg
7. Define the following terms : 4x2½=10
- (a) Clone
 - (b) Prepotent palm
 - (c) Scion bank
 - (d) IDM

8. Name the following : 4x2½=10
- (a) Traditional coffee growing states in India.
 - (b) Traditional cashew growing states in India.
 - (c) Spacing of tall arabica coffee.
 - (d) Fertilizer recommendation for cashew in Kerala.
9. Calculate the quantity of fungicide Bavistin (50WP) required to prepare 1 litre of 0.05% spray solution. 10
10. What are the symptoms of nutrients deficiency in tea ? How can it be rectified ? 10
11. What are the reasons for premature fruit drop in coffee ? How can you reduce fruit drop ? 10
12. Give an account of diseases of Tea. 10
13. Describe in detail the method of budding and commercial production of budded plants in rubber. 10
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