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

Term-End Examination

December, 2012

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
- (i) RRII 1x5=5
 - (ii) CCRI
 - (iii) UPASI
 - (iv) INM
 - (v) GAP
- (b) Mention two examples each of 1x5=5
- (i) Leguminous cover crops for rubber
 - (ii) Ecotypes of small cardamom
 - (iii) Improved varieties of black pepper
 - (iv) Hybrids of coconut
 - (v) Improved cashew varieties

2. Distinguish between **2x5=10**
- (a) China tea and Assam tea
 - (b) Pollarding and lopping
 - (c) Parchment coffee and cherry coffee
 - (d) Tall and dwarf types of coconut
 - (e) Brown budding and green budding in rubber.
3. Write the scientific name of the following crops. **2x5=10**
- (a) Kokkam
 - (b) Cashew
 - (c) Arabica coffee
 - (d) Nutmeg
 - (e) Coconut.
4. Write briefly on the following **2½x4=10**
- (a) Relevance of organic tea cultivation
 - (b) Rejuvenation of coffee plantations
 - (c) Yield of cashew in India
 - (d) Tea yellow.
5. Write short notes on : **2½x4=10**
- (a) Cauvery
 - (b) Control of Tea mosquito bug in cashew
 - (c) Rapid multiplication of black pepper
 - (d) CXR hybrids.

6. (a) Describe briefly on data requirement for construction of IPM model. 5
- (b) What are the procedures for organic certification of spices ? 5
7. (a) Describe briefly the bioagents used in management of pests and diseases in organic spice production. 5
- (b) What are the objective of pruning in tea ? Describe the methods of pruning. 5
8. (a) How do climatic factors influence flowering and fruitset of coffee? 5
- (b) List out the important parts infesting cashew and describe the nature of damage caused by them. 5
9. (a) What are the advantages of root TRAINER plants in rubber ? 5
- (b) List out the beetle pests of coconut and describe the control measures. 5
10. Describe the symptoms of root (wilt) disease of coconut. Explain the management practice for restoration of root wilt affected palms. 10

11. Write briefly on the role of major nutrient on growth and yield of coconut. Add a note on the symptoms of deficiency of their nutrients. 10
 12. Give an account of the vegetative propagation methods in cashew. 10
 13. Describe methods of organic management of tea gardens. 10
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