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

Term-End Examination

June, 2017

MAM-002 : CROP PRODUCTION TECHNOLOGY

Time : 3 hours

Maximum Marks : 100

Note : Answer any ten questions. First question is compulsory. All questions carry equal marks.

1. (a) Fill in the blanks with appropriate word(s) : 1x5
- (i) Panniyur is an improved variety of _____.
 - (ii) Insects that prey externally on other insects are called _____.
 - (iii) RRIM 600 is one of the recommended planting materials of _____.
 - (iv) _____ coffee is a native of Central Africa.
 - (v) Bhaskara is a recommended variety of _____ for cultivation in Karnataka.
- (b) Express in one word : 1x5
- (i) Materials of plant origin/microbes to kill pests.
 - (ii) First plucking in tea recovering from centering/pruning.
 - (iii) The process of covering soil to prevent loss of soil moisture.

- (iv) Fully mature coffee fruits borne in cluster at each node of a fruiting branch.
- (v) Youngone of butterfly and other soft winged insects.
2. Distinguish between the following : 2½x4
- (a) Chinery and Assamica types of tea
 - (b) Banji and Flush shoot
 - (c) Soil structure and Soil texture
 - (d) Arabica and robusta coffee
3. What do you understand by the following ? 2x5
- (a) Trap crops
 - (b) Monocropping
 - (c) Helopeltis
 - (d) Pre emergence herbicides
 - (e) Coffee beans
4. Give two examples for each of the following : 5x2
- (a) Tree spices
 - (b) Shade tree species used in tea plantations
 - (c) Clones of rubber
 - (d) Diseases of coffee
 - (e) Hybrid cashew varieties of Kerala
5. Write short notes on the following : 2½x4
- (a) Pruning cycle in tea
 - (b) Clove
 - (c) Green budding in rubber
 - (d) Soft wood grafting

6. Give reason for the following : 2x5
- (a) Vegetative propagation is advantageous in cardamom.
 - (b) Liming becomes necessary in tea growing soils.
 - (c) Hybridisation and clonal selection are the most important methods of improvements of rubber.
 - (d) Soil forming in coffee.
 - (e) Light infiltration through coconut canopy is highly variable.
7. What do you mean by organic spices ? Suggest 2+8
different good agricultural practices for
production of organic spices.
8. What is pruning ? Describe different types of tea 2+8
pruning and post pruning care.
9. Discuss nutrient management in coconut 10
cultivation.
10. Give a brief account of the planting and cultural 10
operations adopted for cultivation of rubber.
11. Elaborate and give an illustrated account of the 10
plant protection equipment and chemicals used
in plantation sector.
12. What type of soil is suitable for coffee 10
cultivation ? Give a descriptive account of the
shade requirement in coffee and its management.
13. Give an account on the major pests of cashew and 10
their management control.
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