

00593

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

Term-End Examination

June, 2017

**MAM-003 : POST HARVEST MANAGEMENT AND
VALUE ADDITION**

Time : 3 hours

Maximum Marks : 100

Note : (i) Answer any ten questions.

(ii) All questions carry equal marks.

1. (a) Give one word/short answer to : $5 \times 1 = 5$
- (i) Chemical responsible for giving bightness and briskness to tea liquor.
 - (ii) Common mould contaminating processed spices.
 - (iii) Fibre generally used for making 60 kg bags to store graded coffee.
 - (iv) Non-food commercial by product from coconut husk.
 - (v) Gas medium to fill in tins for cashew kernel packing.
- (b) Expand the abbreviations listed below : $5 \times 1 = 5$
- (i) ISO
 - (ii) PFA 1954
 - (iii) FLO
 - (iv) BIS
 - (v) DFRL

2. (a) Fill in the blanks : 5x1=5
- (i) A fully grown nutmeg tree produces _____ fruits per year on an average.
 - (ii) Coffee berry is a _____ containing two seeds.
 - (iii) Budded rubber trees are tappable when they attain a girth of _____ cm at 1.25 m height.
 - (iv) Green teas are broadly classified into two categories *viz.* _____ and _____.
- (b) Distinguish between : 2x2½=5
- (i) White Pepper and Green Pepper.
 - (ii) Plantation coffee and Cherry coffee.
3. What do you know about : 5x2=10
- (a) Alternate bearing in clove.
 - (b) d2 6d/7 tapping frequency in Rubber.
 - (c) 'Kona coffee'.
 - (d) Withering percentage in Tea.
 - (e) Coir geotextiles.
4. Write short answers on : 5x2=10
- (a) Large cardamom
 - (b) An ideal tapping system for Rubber
 - (c) 'Silver Tips' Tea
 - (d) Coconut oil
 - (e) Fermented products from cashew apple

5. Justify the following : 4x2½=10
- (a) Sundrying of fresh cardamom is not desirable.
 - (b) Proper rain guarding of tapping panel is essential for Rubber.
 - (c) Tea is a health drink.
 - (d) More thrust for product diversification and value addition should be given in coconut.
6. Briefly state the utilization of the following : 4x2½=10
- (a) Tea seeds from estates.
 - (b) Coffee husk in large quantities from mills.
 - (c) Waste rubber articles like worn-out tyres etc.
 - (d) Coir pith obtained from coconut husk.
7. (a) Mention the different dealers in the marketing channel for Rubber. Briefly explain the role of each dealer in marketing. 5
- (b) Discuss the importance of Primary processing in spices. 5
8. (a) List out the Indian Speciality Coffees and state how are Indian coffees recognized in the world market ? 5
- (b) Briefly explain Grades of cashew kernel in International market. What does grade W 150 indicate ? 5

9. Write short notes on **any two** : **2x5=10**
- (a) Uses of pre-processed tree Spices.
 - (b) Low Frequency Tapping (LFT).
 - (c) Virgin Coconut Oil (VCO).
10. Discuss product diversification and value addition in Tea. Mention different value added tea products and state the features of any two popular products available in the market. **10**
11. Discuss the various steps involved in manufacturing of CTC tea. **10**
12. State in detail the impact of storage on processed rubber. Suggest optimum conditions for storage for sheet and crepe rubber and concentrated Latex. **10**
13. Describe the major reactions/reasons for quality deterioration in cashew kernels. List out the measures for quality assurance of kernel. **10**
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