

No. of Printed Pages : 7

MAM-003

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

Term-End Examination

June, 2020

**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) Define the following : 1 each

(i) Geo-textile

(ii) Tapping panel dryness (TPD)

P. T. O.

- (iii) Speciality coffee as defined by the
Coffee Board of India
- (iv) Fortified tea
- (v) Geitonogamy
- (b) Fill in the blanks with appropriate words :
- (i) Average yield of cardamom in India
is 1
- (ii) and are the two
categories of green tea. 2
- (iii) Grading of Indian coffee is based on
the of the beans and 2
2. Substantiate the following (any *four*) : $2\frac{1}{2}$ each
- (i) Cashewnut is very rich in nutrition value
- (ii) Theaflavin is an important attribute of
black tea liquor.

- (iii) Cherry coffee should never be dried on bare soil or cowdung plastered surfaces.
- (iv) Fermentation plays an important role in the quality of finished tea.
- (v) Strict hygiene must be ensured both at primary and secondary levels for production of quality species.

3. (a) Give one word answer to the following : 1 each

- (i) Caffeine content of fresh tea leaves
- (ii) Clean coffee obtained by dry method of processing.
- (iii) Superior grade of dried rubber sheets with golden yellow colour and no surface defects.

(iv) Most widely accepted rainguard in rubber.

(v) Coconut oil extracted from raw and matured coconut through wet processing.

(b) Why is diversification and value addition important in coconut ? 5

4. Give *two* examples each for the following : 5 each

- (i) Value added products from coconut shell
- (ii) Edible products from cashew apple
- (iii) Acids used for coagulation of latex
- (iv) Value added products from nutmeg
- (v) Grades of cashewnut kernels

5. Write briefly on the following :

$2\frac{1}{2}$ each

(i) HACCP standards

(ii) Kona coffee

(iii) Natural products from tea

(iv) Storage of harvested coconuts

6. (a) What is the gestation period and economic

life of tall coconuts ? 4

(b) What are different marketable forms of

natural rubber ? 6

7. (a) Write a brief account of the role of Spices

Board of India. 5

(b) Comment on the nutritional profile of

major spices. 5

8. What is silver tips tea ? Explain the process of manufacturing silver tips tea. 10
9. Write short notes on any *two* of the following : 5 each
- (i) Skim latex
 - (ii) National standard bodies for spices
 - (iii) Value added products of black pepper.
10. Write briefly on intensive tapping and high level tapping in rubber. Also discuss the economic life of rubber trees. 10
11. (a) What are the grades of orthodox tea ? 5
- (b) What types of driers are used in green tea manufacture ? 5

12. (a) How is monsooned coffee prepared ? 5
- (b) List out the important requirement for processing of speciality coffee. 5
13. How is coconut oil extracted ? Write down the different steps involved. 10