

PART-B

1. Signature of invigilator on answer booklet is compulsory.
2. All answers to the questions IV, V and VI should be written on appropriate pages only.

Q IV. Answer any five (5) of the following questions 5 x 1 mark = 5

1. Different maturity stages of arecanut for harvesting
2. Any four popular coconut tall cultivars
3. Ablation
4. List out the tapping implements used in rubber
5. Cashew grading
6. Periodic and aperiodic shoots of tea
7. Coffee floral and berry abnormalities

Q V. Answer any five (5) of the following questions 5 x 2 mark = 10

1. Comment on wintering and flowering in rubber
2. Pottasium deficiency symptoms in coconut and its management
3. Single stem training system in Coffee
4. Problems and prospects of arecanut cultivation
5. Classification of oil palm
6. Comment on soil and water conservation techniques in cashew plantation
7. Explain biclonal and poly clonal tea progenies with examples

Q VI. Answer any five (5) of the following questions 5 x 3 mark = 15

1. Economic importance of plantation crops
2. Briefly discuss the varietal wealth of arecanut
3. Narrate the pruning methods in tea with neat diagram
4. Explain harvesting and on farm processing of cocoa
5. Write in detail about the criteria to be followed for mother palm and seedling selection in coconut
6. Comment on rubber budding covering different types of budding
7. Explain high density planting in cashew

END OF PART – A & B QUESTION PAPER 04 November, 2023



PAM-102 FE UHS22UG AY-222-23



Final examination:
PMA-102(1+1): Plantation crops
Date & time of Exam: 04.11.2023 (10:30 ~12:30)

Set A

Name of the StudentID No. UHS22UG.....
College of Horticulture,.....College Code.....

Instructions to the Students:

Total marks: 50 (Part- A : 20 marks and Part- B : 30 marks)

Part – A Question paper: Answer within 30 min.

All answers should be written only in OMR Sheet.

Write the Correct Part-A Question paper Set Code in OMR sheet.

Get the signature of the invigilator on your Part- A QP.

Part- A

Q.I. Select the most correct answer A/B/C/D for the following questions. 20 x 0.5 mark = 10 Marks

1. Number of plants accommodated per hectare under triangular system of planting in coconut is
a. 120 b. 172 ✓ c. 198 d. 220
2. Headquarters of coconut development board is at
✓ a. Cochin, Kerala b. Calicut, Kerala
c. Kasaragod, Kerala d. Pedavegi, Andhrapradesh
3. Arecanut variety suitable for both tender nut and ripe nut processing
a. Samrudhi ✓ b. SAS-1 c. Sreemangala d. Swarnamangala
4. Seedling index is calculated as
✓ a. (leaf no. x 40) – seedling height
b. (seedling height x 40) – leaf no.
c. (leaf no. x seedling height) – 40
d. (seedling height x 40) + leaf no.
5. FFB in oil palm stands for
a. Farm Fresh Bunches ✓ b. Fresh Fruit Bunches
b. c. Farm Fruit bunches d. None of the above

- 6. Thick shelled oil palm variety is **a. Dura** b. Tenera c. Pisifera d. Both a and b
- 7. Number of plants accommodated per hectare in oil palm is **a. 120** b. 140 c. 180 d. 210
- 8. Chelle wilt is a serious malady in **a. Coconut** b. Arecanut **c. Cocoa** d. Cashew
- 9. The recommended variety of cocoa for commercial cultivation is **a. Criollo** **b. Forastero** c. Amelnado d. Amazonian
- 10. Cashew apple is rich source of **a. Vitamin A** **b. Vitamin C** c. Vitamin D d. Vitamin E
- 11. Peak period of harvest of cashew is **a. January-May** **b. March-April** c. December-April d. June-September
- 12. CNSL is extracted from **a. Mesocarp** b. Exocarp c. Endocarp d. Endosperm
- 13. Cera rubber is scientifically known as **a. Manihotglaziovii** b. Heveabrasiliensis
- 14. Highly intensive tapping prior to felling of old trees is known as **a. High level tapping** b. Controlled upward tapping c. Puncture tapping **d. Slaughter tapping**
- 15. Application of yield stimulants on tapping cut after removing tree face is known as **a. Bark application** b. Panel application **c. Groove application** d. Modified groove application
- 16. China jat is botanically called as **a. Camellia assamica** Masters **b. Camellia sinensis** L.
- 17. A natural triploid clone of tea **a. UPASI 2** **b. UPASI 3** c. UPASI 6 d. UPASI 9
- 18. Blossom shower and backing shower are associated with **a. Tea** **b. Coffee** c. Cocoa d. Cashew
- 19. Robusta coffee is botanically known as **a. Coffea arabica** b. *Coffea liberica* **c. Coffea canephora** d. *Coffea eugenioides*

A B B B B C D F F F B B B B C B B C A

C G J A I B F H D E

20. Coffee species generally grown under higher altitudes is **a. Coffea arabica** b. *Coffea liberica* **c. Coffea canephora** d. All the above

Q.II. Enter TRUE(T) /FALSE(F) for the following statements in OMR sheet 10 x 0.5 = 5 Marks

- 21. The spread of cashew from Brazil was carried out by Portuguese **21**
- 22. Single stem training system in coffee is practiced under Indian conditions **22**
- 23. Flowering to fruit set in Arabica coffee takes 9-11 months **23**
- 24. Darjeeling tea is the tea of West Bengal **24**
- 25. The small sterile bud which is smaller than the growing bud is **25**
- 26. Cocoa is known as food of god **26**
- 27. Commonly used tapping knife in India is Jebong **27**
- 28. Leaf pruning is practiced in oil palm **28**
- 29. Sex form of arecanut is monoecious **29**
- 30. Economic life of tall coconuts are 60 years **30**

Q.III. Match column A with column B for correct answer. 10 x 0.5 mark = 05 Marks

Q.No	Column A	Column B
31	Kerasree	A Cashew
32	RRII 105	B Caffeine (1.25-4.5%)
33	Shelling	C Polyclonal seed garden
34	China jat	D Tjir-1 x GL-1
35	Tea	E WCT x MYD
36	Coffee	F Moisture stress resistance
37	W 180	G GBGD x FJT
38	RRIM 703	H 25-31%
39	Kalpa Ganga	I Cleanings
40	Cocoa	J RRM 600 x RRM 500

See next page for Part-B question paper

23 25 27 are false