

KERALA AGRICULTURAL UNIVERSITY

2005-02

B.Sc. (Ag) 2005 Admission II Semester Final Examination, October 2006

Hort 1202

Max. Marks: 60

Plantation crops (1+1)

Time: 2 hours

**I. Objective type questions**

(20 x 0.5 = 10)

1. Name the two methods of training in Coffee.
2. Tea prefers \_\_\_\_\_ type of soil.
3. Name a dwarf mutant in Coffee.
4. List out the commercial products of arecanut.
5. No. of bunches produced per annum in coconut is \_\_\_\_\_.
6. Name two dwarf varieties of coconut.
7. Mention the botanical species of tea.
8. In robusta coffee clonal propagation is adopted because it is \_\_\_\_\_ pollinated crop.
9. Expand - CPCRI
10. The palm oil recovery from oil palm is \_\_\_\_\_ per cent.
11. Name two high yielding varieties of cashew.
12. \_\_\_\_\_ is the quality clone of tea suitable for higher elevations.
13. The cherry coffee is produced by wet method of processing. (True/False)
14. Name two rubber yielding plants related to rubber.
15. The crown of the high yielding coconut palm should be (drooping, erect, spherical).
16. The monofactorial oil palm hybrid between dura and pisifera is \_\_\_\_\_.
17. The fruits of criollo variety of cocoa is yellow coloured (True/False)
18. Name the instrument employed to measure the percentage of rubber.
19. Cherville wilt is a serious melody in (Coffee, coconut, cocoa, arecanut)
20. The rejuvenation of old unproductive cashew plantations can be done by (Clones, seeds, layering, top working).

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**II. Short answers**

(6 x 1 = 6)

1. Slaughter tapping in rubber.
2. Shade management in coffee.
3. Compare and contrast the pre-bearing period in oil palm with other palms.

4. Narrate CTC tea production.
5. Use of yield stimulants in rubber.
6. Pea berry in coffee.

**III. Short notes (Answer any six questions) (6 x 2 = 12)**

**Differentiate the following**

1. Arabica and robusta coffee.
2. Light plucking and hard plucking in tea.
3. Dry ribbed sheet rubber and Dry crepe rubber.
4. Assam jat and China jat.
5. Criollo and forestero varieties of cocoa.
6. Tenera and dura cultivars of oil palm.
7. Inter and mixed cropping in coconut.
8. Chali and Kali in Arecanut.

**IV. Paragraph questions (Answer any four questions) (4 x 3 = 12)**

1. Enumerate the assisted pollination in oil palm.
2. Write the characteristic features of mother palm selection in coconut.
3. Briefly explain the production of quality seedlings in coconut.
4. Enumerate the single node cutting method of propagation in tea.
5. Discuss training and pruning in cocoa and its significance in crop production.
6. Explain layout, planting and manuring in rubber.

**V. Short essays (Answer any four questions) (4 x 5 = 20)**

1. Explain the method of raising quality arecanut seedlings and characteristics of selection of seedlings.
2. Briefly discuss the methods of tapping and processing of rubber.
3. How to increase the productivity in cashew? Explain the production technology of cashew and its scope in Tamil Nadu.
4. Discuss the prospects of cultivation of plantation crops in Kerala and India.
5. Write the processing techniques of tea.