

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag Degree Programme-2012 Admission

IInd Semester One -Time Special Re-Examination - April / May 2016 -

Cat. No: Hort.1202

Marks: 80

Title: Plantation Crops(1+1)

Time : 3 hours

I. Fill up the blanks/Match the following/State True or False: (20 x 0.5 = 10)

Fill up the blanks

1. The chromosome number of coconut is
2. The number of female flowers/inflorescence in coconut varies between and
3. Cocoa is propagated through..... for commercial purpose.
4. In cashew high density planting at a spacing of.....
5. The most common cover crop raised in rubber plantation is
6. Seedling plants of rubber tapped on system.
7. is the commercial hybrid under cultivation in oil palm.
8. Mohith Nagar is a variety of
9. Tea is propagated commercially by
10. Arabica coffee takes months for fruit development from flowering.

Match the following

- | | | |
|--------------------------|---|-------------------|
| 11. Supari | - | Green manure crop |
| 12. Crotalaria juncea | - | Coffee |
| 13. Single stem training | - | Tea |
| 14. Tipping | - | Arecanut |

True or False

15. The pod colour of Forestero cocoa is dark red
16. India ranks first in area and production of arecanut.
17. Cavery is a commercial cashew variety
18. Oil palm is a dioecious plant.
19. Arabica coffee is suited for higher elevation.
20. The edible part in tea is seed.

II. Write answers in a word or sentence/Define

(10 x 1 = 10)

Define

1. Poly gamonomoecious
2. Light plucking
3. Centering

4. Nipping
5. Jorquette
6. Top working
7. Slaughter tapping
8. Write two shade trees of coffee plantations
9. Write two popular cashew varieties of Kerala
10. Write the spacing for coconut

III. Write short notes/answers etc. on ANY TEN

(10 x 2 = 20)

1. Describe any two important hybrid varieties of coconut
2. Write the planting techniques in oil palm.
3. Mention about the application of latex stimulants in rubber.
4. Write the suitable soil and climatic condition for cashew.
5. Describe the grafting techniques in cashew.
6. Write about cover cropping in rubber plantations.
7. Cocoa nursery raising techniques.
8. Cocoa harvesting and yield.
9. Differentiate between Arabica and Robusta coffee.
10. Shade regulation in tea.
11. Mulching in coffee.
12. Training and pruning of coffee.

IV. Write short essays on ANY FOUR of the following

(4 x 5 = 20)

1. Criteria for the selection of mother palms, seed nuts, seedlings and nursery management in coconut
2. Intercropping and coconut based cropping systems
3. Varieties, pruning and nutrient management in coffee
4. Training, pruning and nutrient management in cocoa
5. Propagation techniques and high density planting in cashew
6. Management of oilpalm

V. Write essays on ANY TWO

(2x 10 = 20)

1. Important clones, soil and nutrient management and tapping systems in rubber
2. Varieties, nursery raising techniques, planting and management of arecanut
3. Problems and Prospects of cashew cultivation