

KERALA AGRICULTURAL UNIVERSITY

B.Sc. Hons (Ag) 2011 Admission

IInd Semester Final Examination, August 2012

Cat. No: Hort.1202

Marks: 80

Title: Plantation Crops (1+1)

Time: 3hours

I. Fill up the blanks

(10x1= 10)

1. Per palm productivity of coconut in Kerala is -----
2. ----- is a coconut variety released by KAU through selection
3. Phyllotaxy in areca palm is -----
4. ----- is an areca species with sweet pulp
5. ----- is the centre of origin of oil palm
6. Chromosome number of Arabica coffee is -----
7. Central Tea Research Institute is located in -----
8. ----- is the largest cashew producing state in India
9. Guayule rubber is botanically -----
10. Considering the source of origin, inflorescence of cacao is known as -----

II. Write short notes on **any ten** of the following:

(10x3=30)

1. Sequential development of a coconut - from primordial initiation to harvest of nut
2. Mother plant selection in coconut
3. Manuring of arecanut
4. Types of oil palm based on shell thickness and their characteristics
5. Tea jats
6. Floral biology of coffee
7. Cultivated species of coffee
8. Vegetative propagation in cashew
9. Pruning of tea
10. Cover cropping in rubber
11. Planting and manuring in cacao
12. Farm level processing of cacao

III. Write short essays on **any six** of the following:

(6x5=30)

1. Improved varieties of coconut suited to south India with their special features
2. Selection of mother palms and seedlings in arecanut
3. Seed treatment in oil palm
4. Climatic and soil requirements of tea
5. Training of coffee bush
6. High density planting of cashew and its advantages

7. Important clones of rubber
8. Top working in cacao

IV. Write essay on **any one** of the following: (1x10=10)

1. Describe in detail the major problems of coconut cultivation and your suggestions to overcome the malady
2. Describe in detail the various methods and systems of tapping in rubber and their merits and demerits