

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Agriculture – 2009 Admission Vth Semester Final Examination – January / February 2012

Title : Hort 3105
Course : Fruit Crops (2+1)

Marks : 80
Time : 3 hours

I. Answer all the questions (10 x 1 = 10)

1. Name two fruits rich in vitamin A
2. Name two regular bearing varieties in mango
3. What is denavelling?
4. List out two varieties of papaya suited for papain production
5. Khirmi is used as the rootstock for
6. is a growth regulator used for ripening of fruits.
7. Avocado is rich in
8. is cauliflorous in nature
9. The edible portion of litchi is
10. Is the Queen of fruits

II. Write short notes / answers on ANY TEN (10 x 3 = 30)

1. What is “gynodioecious papaya”.
2. What are the specifications for export mango?
3. Give six distinguishing characters between *Musa acuminata* and *Musa balbisiana*
4. Why is pruning done in grapes?
5. What is Bahar treatment?
6. How is flowering manipulated in pineapple
7. What are the special characters of Arka Mridula and Arka Sahan
8. What are the maturity indices in sapota
9. List out the Horticultural classification in citrus with examples.
10. List the important root stocks in apple with examples.
11. Differentiate parthenogenesis and parthenocarpy
12. What are the different systems of planting practiced in strawberry

III. Write short essays on ANY SIX (6 x 5 = 30)

1. Elaborate the steps involved in papain extraction
2. Explain the different training systems in grapes
3. Write a brief account on the min or tropical and subtropical fruits
4. Give the propagation methods, planting systems, high density planting and yield in pineapple.
5. Discuss about triploid bananas
6. What is the climatic requirement and training systems in apple?
7. What are the major physiological disorders and problems in mango cultivation?
8. Give an account on the uses, propagation, pollination and fruit set in fig

IV. Write essay on ANY ONE (1 x 10 = 10)

1. Describe the production technology of banana
2. Discuss on the high tech innovative practices in fruit production