

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. 2014 and Previous Admission
Ist Semester Final Examination- February-2015

Cat. No: Hort.1101

Marks: 50

Title: Fundamentals of Horticulture (1+0)

Time: 2 hours

I) Fill up the blanks

(10 x 1=10)

1. The science of dealing with the cultivation of fruits is _____
2. _____ is a growth regulator used to break seed dormancy
3. Epicotyl grafting and softwood grafting are commercially done in _____
4. A plant propagated by leaf cutting is _____
5. _____ is a perennial vegetables
6. From the nutritional point of view fruits and vegetables are regarded as _____
7. The medium used for air layering is _____
8. _____ is an attached scion method for grafting
9. Development of fruit without fertilization is _____
10. Grapes are commonly propagated by _____

II Write short notes on any FIVE

(5 x 2=10)

1. Briefly write about stock-scion relationship in commercial propagation
2. Epicotyl grafting in mango
3. Advantages of micro propagation
4. Advantages and disadvantages of sexual propagation
5. Give the classification of vegetables based on the parts used
6. Distinguish between evergreen and deciduous trees
7. Factors influencing the rooting of cuttings

III Write short essays on FIVE of the following

(5 x 4 =20)

1. Define grafting .What are the advantages of grafting .Describe one grafting method adopted for converting poor/ inferior trees into desirable /superior ones
2. Name the specialized plant parts used for the propagation of plants .Substantiate with examples
3. Discuss the methods of application of growth regulators
4. Discuss the factors associated with unfruitfulness in fruit crops
5. Differentiate between training and pruning .What are the different pruning techniques adopted in fruit trees

6. Define seed viability .Explain the tests commonly used to test viability of seeds
7. Discuss the different agro-climatic zones for the horticultural crops in our country

IV Write essay on ANY ONE

(1 x 10=10)

1. What are the special features of Kerala's Horticulture .Discuss the role of horticultural crops in the economy of the state
2. What are the factors to be considered for selecting the site for a commercial horticultural nursery .Discuss the major components of a horticultural nursery
