KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Agriculture Programme – 2011 Admission
Ist Semester Final Examination – February / March 2012

Title : Hort 1101   **Marks : 80**
Course : Fundamentals of Horticulture (1+0)   **Time : 3 Hours**

I a. Fill up the blanks   (1 x 5 = 5)

1. Growth regulator used for increasing rooting of the cutting is --------------------
2. -------------------------is an example for tropical fruit
3. In hilly areas ---------------------------------system of planting is recommended.
4. ----------------------------is a tree spice.
5. Arboriculture is the study of ----------------------------

I b. What do you mean by the following terms   (1 x 5 = 5)

1. Bulb   2. Hypogeous germination   3. Cole crops   4. Bisexual plants   5. Runner

II.   Write the answers on any TEN   (10 x 3 = 30)

1. Cold frames and hot beds
2. Air layering
3. Methods of thinning
4. Different systems of bearing habits
5. Divisions of horticulture
6. Top working
7. Epicotyl grafting
8. Intercropping in horticultural crops
9. Potting and repotting
10. Horticultural therapy
11. Define Apomixis, explain the different types
12. Mist chamber

III. Write short notes on any SIX   (6 x 5 = 30)

1. Factors responsible for unfruitfulness

2. Methods of training

3. Define seed dormancy. Briefly explain the different types of seed dormancy

4. Role of PGR in induction of parthenocarpy and modification of sex expression

5. Advantages and disadvantages of vegetative propagation

6. Explain the qualities of a propagating medium. List out the different media used in propagation

7. Mention the various types of cutting. Write down the factors required for rooting of cuttings

8. Micropropagation in horticulture crops

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

1. Discuss about the scope and importance of horticultural crops in India.

2. Explain the principles, planning and lay out of commercial orchards.