



KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Agri. Engg) 2017 Admission
II Semester Final Examination- July 2018

Sacs.1208

Principles of Horticultural Crops and Plant Protection (1+1)

Marks: 50
Time:2 hours

- I Fill in the blanks** **(10x1=10)**
- 1 An example for a perennial horticultural crop is
 - 2 Increasing the soil temperature using mulches is called.....
 - 3 The system of planting mostly followed in hilly areas is
 - 4 An example for a chemical weedicide is
 - 5 Removing of field heat from the horticultural produce is called as
- State true /false**
- 6 India ranks first in vegetable production in the world
 - 7 Seed borne diseases are not a problem when plants are sexually propagated
 - 8 Growing two or more crops simultaneously on the same piece of land with a definite row pattern is called as mixed cropping
 - 9 Haryana has won the best horticulture state award 2016 from ICAR, New Delhi
 - 10 IISR is an ICAR institute located in Calicut
- II Write Short notes on any FIVE of the following** **(5x2=10)**
- 1 Define micro propagation
 - 2 List out the different methods of grafting
 - 3 Specialised plant parts used for propagation
 - 4 Fertigation
 - 5 Objectives of pruning
 - 6 Advantages of asexual propagation
 - 7 Name **four examples each** for climacteric and non-climacteric fruits
- III Answer any FIVE of the following.** **(5x4=20)**
- 1 Major division and classification of horticulture.
 - 2 Differentiate training and pruning
 - 3 Criteria for quality vegetable seed production
 - 4 Special pruning techniques followed for horticultural crops
 - 5 Management of orchards.
 - 6 Major pests of horticultural crops and give their management
 - 7 Post-harvest handling of horticultural produces

P.T.O

IV Write an essay on any ONE of the following

(1x10=10)

- 1
 - a. Define Horticulture (2 Marks)
 - b. Discuss the scope of horticulture (3 Marks)
 - c. Explain the importance of Horticulture in Indian economy (5 Marks)
- 2
 - a. Write on the importance of intercultural operations (2 Marks)
 - b. List out the three major intercultural operations (2 Marks)
 - c. Discuss the weed, water and nutrient Management (6 Marks)
