



**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**

**(10x1=10)**

**I Fill in the blanks**

- 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

**(5x2=10)**

**II Write Short notes on any FIVE of the following**

- 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

**(5x4=20)**

**III Answer any-FIVE of the following.**

- 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

- 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)

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(1x)