



KERALA AGRICULTURAL UNIVERSITY

B.Tech (Agrl.Engg.) 2016 Admission

II Semester Final Examination-July-2017

Sacs.1208 Principles of Horticultural Crops and Plant Protection (1+1)

Marks: 50

Time: 2 hours

(10x1=10)

**I Fill up the blanks**

- 1 The term horticulture is derived from two latin words; namely----- and -----
- 2 ----- system of planting is adopted in hilly areas.
- 3 ----- is the science dealing with the study of vegetables.
- 4 ----- is the king of fruits.
- 5 ----- is a tool used for pruning hedges and topiary.
- 6 ----- is a perennial vegetable.
- 7 A major pest of coconut is -----
- 8 Application of fertilizer through irrigation water is known as -----
- 9 Bunchy top is a serious disease of -----
- 10 ----- is a commercially grown cut flower in Kerala.

**II Write short notes on any FIVE**

(5x2=10)

- 1 Arboriculture
- 2 Horticultural Therapy.
- 3 Classification of vegetable based on parts used.
- 4 Objectives of training.
- 5 List out the major diseases of coconut.
- 6 A seed viability test.
- 7 Fruit thinning.

**III Answer any FIVE**

(5x4=20)

- 1 Importance of vegetative method of propagation.
- 2 Importance of horticulture with special reference to Kerala.
- 3 Define seed dormancy. What are the different methods to overcome seed dormancy?
- 4 Explain the hexagonal system of planting and list out its advantages over square System.
- 5 Major pests and diseases of mango.
- 6 Mist propagation.
- 7 Post harvest handling and value addition in banana.

**IV Write essay on any ONE**

(1x10=10)

- 1 What are the criteria for site selection of a commercial orchard? Briefly discuss the soil management practices adopted in an orchard.
- 2 Define micro propagation. Explain the principle underlying micro propagation and the methods. List out the potential application of micro-propagation techniques in horticulture.

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