



Hort.1101

KERALA AGRICULTURAL UNIVERSITY

B.Sc. (Hons.) Ag.

2015 & Previous Admission

I Semester Re-examination-March-2018

Fundamentals of Horticulture (1+0)

Marks: 50

Time: 2 hours

(10x1=10)

**I State True or False**

- 1 Fruit type of mango is drupe
- 2 Sweet potato belongs to the family compositae
- 3 Cumin is a fruit spice
- 4 Quincunx system of planting is superior to square system
- 5 Orange is a climacteric fruit
- 6 T budding is also known as shield budding
- 7 Gelling agent commonly used in tissue culture is agar
- 8 Ethylene is a ripening hormone
- 9 Epicotyl grafting is practiced in cashew
- 10 Kohlrabi is a root vegetable

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

(5x2=10)

- 1 Pruning in horticultural plants
- 2 Practical uses of gibberellins
- 3 Non climacteric fruits
- 4 Contour system of planting
- 5 Topworking
- 6 Parthenogenesis
- 7 Open centre training

**III Answer ANY FIVE of the following**

(5x4=20)

- 1 T budding in rose
- 2 Differentiate between grafting and budding
- 3 Green houses
- 4 Plant growth regulators and their uses in horticultural crops with examples
- 5 Explain briefly about inarching
- 6 Induction of seedlessness in horticultural crops
- 7 Explain the divisions of horticulture

**IV Write an essay on ANY ONE of the following**

(1x10=10)

- 1 Discuss the potential applications of plant cell, tissue and organ culture in horticulture
- 2 Explain the plant propagation structures

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