



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Ag. 2018 Admission
I Semester Final Examination-February-2019

Hort.1101

Fundamentals of Horticulture (1+1)

Marks: 50
Time: 2 hours

- I State True or False (10x1=10)**
- 1 In India only tropical and subtropical fruits are grown.
 - 2 The formula for calculation of heat units or degree days is $(M+10) N$.
 - 3 In all the vegetative methods of propagation use of root stock is a must.
 - 4 Pruning is done in the initial stage of the plant growth than training.
 - 5 With the support of horticulture, many agro-based industries can spring up in villages.
 - 6 High initial investment and availability of quality planting material are not essential for horticulture nursery.
 - 7 In hilly areas where land is undulated, contour system of planting is followed.
 - 8 Accommodation of more number of plants per unit area than normal planting system is referred as high density planting.
 - 9 In rectangular system of planting row to row and plant to plant distance are maintained equal.
 - 10 Visual observation will not help in knowing the maturity of the fruit crops.
- II Write Short notes on ANY FIVE of the following (5x2=10)**
- 1 Propagation of plants by cuttings.
 - 2 Methods of pruning.
 - 3 Classification of fruit crops based on growth habit and climatic requirement.
 - 4 Propagation of plants through modifications/specialised structures.
 - 5 Differentiate between high density planting and normal planting.
 - 6 Bearing habit in horticultural plants.
 - 7 Inflorescence.
- III Answer ANY FIVE of the following (5x4=20)**
- 1 Scope, importance and constraints of horticulture in India.
 - 2 Different methods of irrigation in horticultural crops.
 - 3 Classification of vegetables based on parts used and temperature requirement.
 - 4 Orchard layout systems.
 - 5 Systems of cropping in horticulture.
 - 6 Methods of fertilizer application.
 - 7 Different climatic zones for horticulture crops in India.
- IV Write an essay on ANY ONE of the following (1x10=10)**
- 1 Propagation, methods, advantages and disadvantages of sexual and asexual propagation.
 - 2 Training and pruning of horticulture crops with advantages and disadvantages.
