



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

Safo.1102

Introduction to Agronomy and Horticulture (2+1)

Marks: 50
Time: 2 hours

I Fill up the blanks (10x1=10)

- 1 Scientific name of arecanut is _____.
- 2 Cardamom belongs to family _____.
- 3 Mallika variety of mango is a cross between _____.
- 4 Application of fertilizers in irrigation water is called _____.
- 5 Agronomy is derived from a Greek word 'Agros' & 'nomos' meaning _____ and _____, respectively.
- 6 India is divided into _____ agro-climatic zones and Kerala is grouped under _____ zone.
- 7 Saline soils have pH of _____ and EC _____.
- 8 Sub soiling is an important tillage operation in _____.
- 9 Hexagonal system accommodates _____ per cent more plants than square system.
- 10 Spacing for high density planting in sapota is _____.

II Write Short notes on ANY FIVE of the following (5x2=10)

- 1 Define manure and enlist different types of manure with example.
- 2 Define irrigation. Enlist different irrigation systems.
- 3 Storage methods for seed rhizome of ginger.
- 4 Benefits of growth regulator application in pineapple.
- 5 Differentiate between saline, saline alkali and alkali soils based on pH, EC and ESP.
- 6 Define intensive, multiple, intercrop and sequential cropping.
- 7 Differentiate between zero tillage and conservation tillage.

III Answer ANY FIVE of the following (5x4=20)

- 1 Commercial varieties of mango in India
- 2 Tapping in rubber and enlist standards of tapping.
- 3 Agronomy - its physical, biological, ecological impact and depict social demonstration with the help of flow diagram.
- 4 Define soil and enlist major soils of India. Describe Ultisols (Laterite soils)
- 5 Differentiate between on and off-season tillage.
- 6 Training and pruning – definition with their objectives and different types of pruning systems.
- 7 Weed - its definition and list of classification with example.

IV Answer ANY ONE of the following (1x10=10)

- 1 Production technology of black pepper.
- 2 Propagation and planting techniques in banana.
