



KERALA AGRICULTURAL UNIVERSITY  
B.Tech. (Ag. Engg.) 2017 Admission  
I Semester Final Examination-January-2018

Sacs.1105

Principles of Agronomy (2+0)

Marks:50

Time: 2 hours  
(10x1=10)

**I Define the following**

- 1 Crop
- 2 Agriculture
- 3 Preparatory cultivation
- 4 Soil puddling
- 5 Weed control
- 6 Cropping system
- 7 Relay cropping
- 8 Sustainable agriculture
- 9 Seed/ seed material/ propagule
- 10 Field capacity of soil

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

(5x2=10)

- 1 Scope of Agronomy
- 2 Ontogenic classification of crops
- 3 Effect of temperature on crop growth and development
- 4 Biofertilizers
- 5 Functions of nitrogen in plants
- 6 Uses of weeds
- 7 Soil tilth

**III Briefly Explain ANY FIVE of the following**

(5x4=20)

- 1 Methods of weed control
- 2 Organic farming
- 3 Methods of sowing
- 4 Systems of rice cultivation in Kerala
- 5 Approaches to scheduling irrigation
- 6 Relevance of tillage in agriculture
- 7 Essential plant nutrient elements

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

(1x10=10)

- 1 Explain why a particular species of plant performs differently when grown in different places
- 2 What are the different types of tillage? How is tillage classified? What are the important implements/equipments involved?

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