



KERALA AGRICULTURAL UNIVERSITY
B.Tech. (Agrl. Engg) 2020 Admission
I Semester Final Examination-November 2021

Sacs.1105

Principles of Agronomy(2+0)

Marks:50
Time: 2 hours

- I Define the following** **(10x1=10)**
1. Primary tillage
 2. Soil fertility
 3. Tilt
 4. Field Capacity of soil
 5. Crop coefficient
 6. Biological weed control
 7. Sustainable agriculture
 8. Soil puddling
 9. Weed eradication
 10. Crop rotation
- II Write short notes on ANY FIVE of the following** **(5x2=10)**
1. Preparatory cultivation and after cultivation
 2. Bulky and concentrated organic manures
 3. Mono cropping and multiple cropping
 4. Basal application and top dressing of fertilizers
 5. Cropping system and farming system
 6. Matric potential and osmotic potential of soil water
 7. Crop and weed
- III Answer ANY FIVE of the following** **(5x4=20)**
1. Methods and time of application of manures and fertilizers
 2. Objectives of tillage
 3. Harmful effects of weeds
 4. Organic Farming
 5. Biofertilizers
 6. Concept of precision farming
 7. Methods of sowing
- IV Write an essay on ANY ONE of the following** **(1x10=10)**
1. What is meant by scheduling of irrigation? What are the different methods adopted for the scheduling?
 2. Explain different techniques followed for weed management
