



KERALA AGRICULTURAL UNIVERSITY
B.Tech. (Agrl. Engg.) 2019 Admission
I Semester Final Examination- January 2020

Sacs.1105

Principles of Agronomy (2+0)

Marks:50
Time: 2 hours

- I Name the following** **(10x1=10)**
1. K containing fertilizer.
 2. The National Institute dealing with research on plantation crops.
 3. P containing fertilizer.
 4. A green manure that can be grown in coconut garden.
 5. Biofertilizers suitable for pulses.
 6. Two upland weeds.
 7. The soil moisture tension at PWP.
 8. A beverage crop.
 9. A systemic herbicide.
 10. Dual purpose crop.
- II Write Short notes on ANY FIVE of the following** **(5x2=10)**
1. Green leaf manuring.
 2. Intercropping.
 3. Crop rotation.
 4. Water management.
 5. Secondary tillage.
 6. Agronomy.
 7. Soil fertility.
- III Answer ANY FIVE of the following** **(5x4=20)**
1. Nitrogen fixation.
 2. Sustainable agriculture.
 3. Precision farming.
 4. Methods to determine the soil moisture content.
 5. Nutrient management in rice.
 6. Temperature on growth of plants.
 7. Multiple cropping system.
- IV Write an essay on ANY ONE of the following** **(1x10=10)**
1. Substantiate the concept of organic farming. What are its merits and demerits? Explain the possibility of organic farming under Indian conditions.
 2. What do you mean by tillage? Enumerate objectives of tillage. Explain different types of tillage.
