

# KERALA AGRICULTURAL UNIVERSITY

B.Tech (Agri.Engg.) 2016 Admission

1<sup>st</sup> Semester Final Examination-February-2017

Cat. No: Sacs.1105.

Marks: 50.00

Title: Principles of Agronomy (2+0)

Time: 2 hours

## I Answer the following

(10x1=10)

1. The annual rainfall of Kerala.
2. The National Institute dealing with research on soil and water conservation.
3. N containing fertilizer.
4. Stem nodulating green manure.
5. The major soil type of Kerala.
6. The species of earthworm used in vermicomposting.
7. Two wetland weeds.
8. A narcotic crop.
9. Monocropping system is prevalent in Kerala (True/False)
10. The gravitational water is available to plants (True/False)

## II Write short notes/answers on any FIVE of the following

(5x2=10)

1. Liebig's law of minimum
2. Minimum tillage
3. Luxury consumption
4. Sprinkler irrigation
5. Soil moisture constants
6. Drainage
7. Puddling

## III Write short answers on any FIVE

(5x4=20)

1. Reclamation of saline soils.
2. Integrated nutrient management.
3. Role of light on crop production.
4. Micro propagation methods.
5. Vermicomposting.
6. Integrated weed management.
7. Fertigation.

## IV Write essay on any ONE

(1x10=10)

1. Discuss the decomposition of organic matter and its effect on soil fertility and crop production.
2. What is precision farming? List out its merits and demerits? Comment on the possibility of precision farming in Kerala.

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