

# KERALA AGRICULTURAL UNIVERSITY

B.Tech (Agrl.Engg) 2014 Admission

I<sup>st</sup> Semester Final Examination- January -2015

9/2

Cat. No: Agr.1101

Title: Agriculture for Engineers (2+1)

Marks: 50.00

Time: 2 hours

## I Fill up the blanks

(10 x 1=10)

1. The average annual rainfall in Kerala is \_\_\_\_\_
2. \_\_\_\_\_ is the instrument used for measuring wind speed
3. The secondary nutrient which is a constituent of Chlorophyll is \_\_\_\_\_
4. The soil with alkaline reaction in Kerala is located at \_\_\_\_\_
5. \_\_\_\_\_ is the most commonly used implement for soil inversion in primary tillage
6. The commercial sugar yielding crop where stem is the economic product is \_\_\_\_\_
7. IRRI is situated in \_\_\_\_\_

Name the following

8. Father of tillage
9. A non selective herbicide
10. One sulphur containing aminoacid

## II Write short notes on any FIVE questions

(5 x 2=10)

1. Photoperiodism
2. Mulching
3. Global warming
4. Intercropping
5. Pre emergence and Post emergence herbicides
6. Texture and structure of soils
7. Zero tillage and Minimum tillage

## III Write short notes on any FIVE questions

(5 x 4=20)

1. Describe the characteristics of the different salt affected soils
2. Vermicomposting
3. Biological control of weeds
4. Soil acidity and its control
5. Criteria for site selection for laying out an orchard
6. Process of soil formation
7. Methods of irrigation

**IV Write an essay on any ONE**

**(1 x 10=10)**

1. What are biofertilizers .Briefly describe the biofertilizers now available and their use in Integrated Nutrient Management
2. Briefly describe the different cropping systems with special emphasis to intercropping

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