

KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. 2014 and Previous Admission
Ist Semester Final Examination- February-2015

Cat. No: Agro.1102

Marks: 50

Title: Principle of Agronomy (1+1)

Time: 2 hours

I) Fill up the blanks

(10 x 1=10)

1. Plant population is defined as the _____
2. DAP is a _____ fertilizer
3. An agricultural science deals with crop production and management is _____
4. Sugarcane is propagated through _____
5. _____ is a stem nodulating green manure
6. In botanical classification of crops cereals belongs to _____ family
7. Growth curve is _____ shaped
8. Urea contains _____ % N
9. _____ is the ideal seedbed

Match the following

- | | |
|---------------------------|---------------------|
| 10. i) Legumes | a) Azospirillum |
| ii) Rice | b) Rhizobium |
| iii) Maize | c) Azolla |
| iv) Acid and Clayey soils | d) Phosphobacterium |

II Write short notes on any FIVE

(5 x 2=10)

1. Classification of crops based on ontogeny
2. Conservation tillage
3. Bio fertilizers
4. Oilcakes
5. Divisions of Agronomy
6. Objectives of tillage
7. Green manures

III Write short essays on FIVE of the following

(5 x 4 =20)

1. Agronomic classification of crops
2. Climatic factors affecting plant growth
3. Special purpose implements
4. Soil productivity and soil fertility
5. Methods of sowing

6. Characteristics of good quality seed

7. Biological nitrogen fixation

IV Write essay on ANY ONE

(1 x 10=10)

1. Integrated nutrient management techniques in crop production

2. Types of tillage and primary tillage implements
