



**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc. (Hons.) Ag. 2018 Admission**  
**I Semester Final Examination-February-2019**

**Agro 1101**

**Fundamentals of Agronomy (2+1)**

**Marks: 50**  
**Time: 2 hours**

**I Fill in the blanks**

**(10x1=10)**

- 1 A green manure crop.....
- 2 Father of Tillage.....
- 3 Those crops which are rich in fatty acid are cultivated for the production of vegetable oil is called .....
- 4 Criteria of essentiality of nutrients is proposed by .....
- 5 Liming material which supplies both Calcium and Magnesium.....
- 6 The period in the life cycle of crop during which weeds cause great loss to the crop and results in high economic returns if weeding is done is .....
- 7 Primary nutrients are.....
- 8 The inherited ability of an individual plant to survive a herbicide application that would kill a normal population of the same species.....

**Choose the correct answer**

- 9 For applying 100 kg of nitrogen how much urea would one use?  
a 45kg      b 111kg      c 222kg      d 333kg
- 10 Glyphosate is a ..... herbicide.  
a Selective      b Non-selective      c Pre-emergent      d None of the above

**II Write Short notes on ANY FIVE of the following**

**(5x2=10)**

- 1 Define conservation tillage and its advantages.
- 2 Differentiate soil fertility and soil productivity.
- 3 Classification of crops based on season of cultivation with an example for each.
- 4 Transplanting with merits and demerits.
- 5 Classification of essential nutrients.
- 6 Classification of weeds based on morphology with an example for each.
- 7 Contact herbicide with an example.

**III Answer ANY FIVE of the following**

**(5x4=20)**

- 1 Beneficial uses of weeds.
- 2 Elaborate on herbicide formulations.
- 3 Characteristics of good quality seeds.
- 4 Integrated Nutrient Management.
- 5 Define and list advantages of crop rotation.
- 6 Define Crop geometry. Elaborate on different geometries available for crop production.
- 7 Bio fertilizers.

**IV Write an essay on ANY ONE of the following**

**(1x10=10)**

- 1 Define growth and explain factors affecting growth
- 2 Define Integrated Weed Management. Explain Integrated Weed Management Practices in rice.

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