

# KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Agriculture 2015 Admission  
III<sup>rd</sup> Semester Final Examination-February-2017

Cat. No: Agro.2105

Marks: 50.00

Title: Field Crops I (2+1)

Time: 2 hours

## I Fill up the blanks/True or False

(10x1=10)

1. The two type of rice roots are ----- and ----- roots.
2. The optimum temperature for germination of wheat is between ----- and ----- °C
3. Duration of lesser yam (Var. Sree Latha) is -----
4. Fertilizer dose of colocasia is ----- kg N:P<sub>2</sub>O<sub>5</sub>:K<sub>2</sub>O/ha
5. Maize crop grown for fodder should be harvested at the -----
6. Pest and disease incidence is low in lowland rice when compared to upland rice.
7. Atrazine is a post-emergence herbicide recommended for maize to control BLW and grasses.
8. Seed rate of potato is 1000 – 1500 kg/ha.
9. Botanical name for congo signal grass is *Brachiaria ruziziensis*.
10. Pusachari 9 is a fodder sorghum variety.

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

(5x2=10)

1. Write the economic importance of rice.
2. Write the weed management practice recommended for maize.
3. Define seed hardening. Give an example of seed hardening chemical for pearl millet.
4. Sorghum poisoning
5. Briefly write the geographic distribution of tapioca.
6. Write the economic importance of major tuber crops.
7. Write down the soil and climatic requirements of Xanthosoma.

## III Write short answers on any FIVE

(5x4=20)

1. System Rice Intensification (SRI)
2. Harvesting and processing of wheat.
3. Classification of maize based on the characteristics of kernels.
4. Cultivation details of potato.
5. Minor tuber crops
6. Pasture management
7. Classification of fodder crops.

## IV Write essay on any ONE

(1x10=10)

1. Importance of tuber crops and agro-techniques of tapioca.
2. Importance of forage crops and preservation technologies of forage crops.

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