

KERALA AGRICULTURAL UNIVERSITY

B.Sc Hons (Ag) 2011 Admission

IIIrd Semester Final Examination- January /February -2013

Cat. No: Agro.2105
Title: Field Crops (2+1)

Marks: 80
Time: 3 hours

I Fill up the blanks /State True or False

(10 x 1=10)

1. In India rice cultivation extends from _____ to _____ latitude under varying climatic conditions.
2. The _____ stage is considered as the most critical stage for irrigation in wheat.
3. Sri Visakhm is a _____ hybrid having duration of 270-300 days.
4. Sweet potato is propagated by _____
5. The tender crop of *Zea mays* is _____

True or False

6. Kalyan sona is a semi dwarf variety of wheat.
7. Cassava is a native of South Africa.
8. Ideal seed corn size of Elephant Foot Yam for commercial planting is 0.5 kg.
9. Botanical Name for Guinea grass is *Panicum alexandrinum*.
10. Indian Grassland and fodder research Institute (IGFRI) is located at Jhansi.

II Write short notes on ANY TEN

(10 x 3=30)

1. Differentiate cereals and millets with examples.
2. Forage preservation.
3. Irrigation management in wheat.
4. Fertilizer management of maize.
5. Differentiate sorghum injury and sorghum poisoning.
6. Write a brief note on hay.
7. Geographic distribution and varieties of tapioca.
8. Soil and climatic requirements of yams.
9. Economic importance of minor tuber crops.
10. Harvesting of aroids and potato.
11. Define Agrostology, grazing intensity and silvipasture.
12. Tasseling and silky stage in maize.

III Write short essays on ANY SIX of the following

(6 x5=30)

1. Nursery techniques in rice.
2. Post harvest handling and value addition in wheat.
3. Cultivation details of sweet potato.
4. List out the minor millets with botanical names and write their economic importance.
5. Agro-techniques of Elephant foot yam.
6. Write about the different types of pasture management.
7. List out the tree legumes with their scientific names and give their economic importance.
8. Grazing systems.

IV Write essay on ANY ONE

(1 x10=10)

1. Give a detailed account of the systems of rice cultivation.
2. Write about the classification of fodder crops; importance of fodder on animal nutrition and the cultivation details of Cumbu Napier Hybrid.
