KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Agriculture – 2010 Admission III[rd] Semester
Final Examination – January / February 2012

Title : Agro. 2105 **Marks : 80**
Course : Field crops-I (2+1) **Time : 3 Hours**

I. Fill up the blanks / Match the following / State true or False / Define

(10 x 1 =10)

1. Define: Puddling

2. Maize protein is called as _____

3. Which is called as king of cereals

   a. Wheat b. Rice c. Maize d. Sorghum

4. Khaira disease of rice is due to N deficiency (True / False)

5. Define: Agrostology

6. Botanical name of porso millet is _____

7. The fodder crops rich in soluble carbohydrates are ideally suitable for silage making (True / False)

8. Sweet potato originated in

   a. Africa b. Tropical America c. India d. Australia

9. Optimum setts of napier grass required to plant one hectare of area

   a. 40000 b. 50000 c. 60000 d. 70000

10. Potato contains _____and_____glycol-alkaloids

PTO

II. Write short notes/answers etc. on ANY TEN **(10 x 3 = 30)**

1. Differentiate cereals from millets
2. Enumerate the economic importance of cereals
3. Write about flint maize, sweet corn and pob corn
4. Discuss wheat improvement in India
5. Striga Management in sorghum
6. How do you distinguish hay from silage making?
7. Irrigation management in wheat
8. Write about the economic importance of tree legumes
9. Give the blanket fertilizer schedule for rice
10. True potato seed (TPS) – Discuss
12. Give fertilizer schedule for hybrid napier and guinea grass

III. Write short essays on ANY SIX of the following **(6 x 5 = 30)**

1. Write in detail about different types of rice nursery
2. Describe the harvesting and processing of rice
3. Give economic importance of minor tuber crops
4. Write in detail about the ground legumes cultivation
5. Discuss soil and climatic requirements for maize and wheat
6. Write fertlizer schedule for tapioca, potato and sweet potato
7. Discuss about different types of wheat
8. Give detailed note on aroids cultivation

IV. Write essay on ANY ONE **(1 x 10 = 10)**

1. Transplanted rice production technologies
2. Briefly discuss good agricultural practices involved in cereal fodder production