

**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc.(Hons.) Agriculture – 2007 Admission – IIIrd Semester**  
**Final Examination – February/March 2009**

**Title : Agro. 2105**  
**Course: Field Crops - I (1+1)**

**Max. marks: 80**  
**Time : 3 hours**

**I. a. Fill up the blanks**

**10 X 0.5 = 5.0**

1. Most critical period of moisture stress for Wheat crop is -----
2. The blanket fertilizer recommendation for irrigated Maize is -----
3. Khaira disease of rice is due to the deficiency of the nutrient element -----
4. Sree Nandini is variety of -----
5. Top portion of potato is called as -----
6. Cassava belongs to the family -----
7. Number of slips required for planting one hectare of Guinea grass is -----
8. Seed rate recommended for *Stylo* when it is grown as inter crop in Coconut garden is -----
9. Poonja season of rice cultivation in Kerala is from ----- months
10. Optimum temperature for Potato growth and development ranges between -----

**b. Write the name of crops against its varieties**

**5 X 0.5 = 2.5**

Varieties	Crops
1. Rohini	a.
2. Sree Prakasm	b.
3. Sree Vardhini	c.
4. Sree Rupa	d.
5. Sree Pallavi	e.

**c. State True or False**

**5 X 0.5 = 2.5**

1. *Striga lutea* is a total root parasitic weed found in Sorghum fields
2. Golden rice is rich in Vitamin A

3. Tapioca grows best under warm humid tropical climatic conditions
4. Duration of Amorphophallus is 5 – 6 months
5. CTCRI Head Quarters is at Kasarkode

**II. Write answers in a Word or Sentence / Define**

**10 X 1 = 10**

1. Biofertilizer for Rice
2. Chemical weed control for Wheat
3. Growth stages of Maize
4. Sorghum poisoning
5. Soil and climatic requirements of Potato crop
6. Seed rate and fertilizer requirements for Finger millet
7. Fertilizer management for Greater Yam
8. Planting material for Tapioca
9. Hedge Lucerne
10. Grassy fodder

**III. Write short note answer on any 10 of the following**

**10 X 2 = 20**

1. System of Rice Intensification
2. Economic importance of Small Millets
3. Sowing and Fertilizer management for Sorghum
4. Cultivated Wheat spp. in India and their importance
5. Seed rate and fertilizer recommendation for Pearl Millet
6. Greater yam and Lesser Yam
7. Training and Pruning in Sweet Potato
8. Climatic requirement and planting of Colocassia
9. Inter Cropping in Cassava
10. Fertilizer management for Potato
11. Planting and Manuring of Hybrid Napier
12. Leguminous Fodder crops

**IV. Write short essay on any four of the following**

**4 X 5 = 20**

1. Weed and nutrient management for Wheat, Potato and Rice
2. Give the package of practices for Finger Millet
3. Role of Tuber crops in Indian Agriculture
4. Describe the manuring and intercultural operations for Sweet Potato
5. Give the package for fodder sorghum and describe the Grazing system
6. Give the agronomic practices for Hybrid Napier grass.

**V . Write Essays on any Two**

**2 X 10 = 20**

1. Give an account of different systems of rice cultivation and integrated nutrient and weed management practices for transplanted rice
2. Discuss about the role of forage crops in Indian Agriculture and preservation of Hay and Silage making technology
3. Give the Origin, geographic distribution economic importance, soil and climatic requirements , varieties and cultural practices including harvesting for Potato.