

KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Agriculture – 2008 Admission - IVth Semester
Final Examination – July-August 2010

Cat. No. : Agro 2207
Title : Field Crops II (1+1)

Max. marks: 80
Time : 3 hours

I. Fill up the blanks / Match the following / State True or False / Define 10 x 1 = 10

1. Most of the pulses are having 20 - 25% protein. But soybean has _____ Protein
2. The perennial red gram variety is _____.
3. _____ is considered as Queen of oil seeds.
4. _____ is a variety of rice fallow cotton.

Match the following:-

- | | | |
|------------------|---|--------------------------------|
| 5. a. White Jute | : | i. <i>Corchorus capsularis</i> |
| b. Tossa Jute | : | ii. <i>corchorus olitorius</i> |
| 6. a. Agave | : | i. bast / phloem fibre |
| b. Hemp | : | ii. leaf fibre |

State True / False.

7. Sugarcane is a fertilizer loving crop.
8. The practice of topping and desuckering is commonly followed in betel vine.

Define

9. Suckers
10. Setts

II. Write short notes / answers on ANY TEN

10 x 3 = 30

- | | |
|----------------------------|----------------------------------|
| 1. Clipping | 7. Polybag nursery |
| 2. Detrashing and propping | 8. Sett treatment |
| 3. Mixed cropping | 9. Brix reading |
| 4. Desuckering | 10. Quality parameters in cotton |
| 5. Blind hoeing | 11. Aromatic plants |
| 6. Moth bean | 12. Palmarosa |

III. Write short essays on ANY SIX of the following

6 x 5 = 30

1. Explain in brief about the importance of pulses in human nutrition.
2. Write the post harvest technology for red gram.
3. Explain in brief about the management practices to improve the seed setting in sunflower.
4. State the important cultivated species of cotton and mention the various growth phases of cotton.
5. Explain the fibre extraction process in jute.
6. Explain in detail about the constraints in sugar production in India.
7. Give the economic importance of medicinal plants.
8. Explain the curing process in tobacco.

IV. Write an essay on ANY ONE

1 x 10 = 10

1. Give the cultural practices for a) sesame b) cotton
2. Discuss the production technology for sugarcane