

KERALA AGRICULTURAL UNIVERSITY

B.Sc Hons (Ag) 2011 Admission

IVth Semester Final Examination- August-2013

Cat. No: Agro.2207

Marks: 80

Title: Field Crops II (1+1)

Time: 3 hours

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

1. Pulses are having the capacity to fix_____.
2. _____ is a variety of rice fallow blackgram.
3. The seed rate for irrigated groundnut crop is _____.
4. Jute is now hailed as a _____.

Match the following:-

- | | | |
|----------------------------------|---|---------------------------|
| 5. a. Sugarcane | : | i. Rice fallow crop |
| b. Cotton | : | ii. Sett treatment |
| | | iii. Shelling per centage |
| 6. a. <i>Gossypium herbaceum</i> | : | i. Karunganni cotton |
| b. <i>Gossypium arboreum</i> | : | ii. Wild species |
| | | iii. Uppam cotton |

State True / False

7. Detrashing is done at 150 and 210 days after planting in sugarcane.
8. Betel vine is an example for aromatic plant.

Define

9. Dibbling
10. Brix reading

II. Write short notes / answers on ANY TEN

10 x 3 = 30

- | | |
|----------------------------|---|
| 1. Perennial red gram | 7. linseed |
| 2. Lentil | 8. Economic importance of sugar beet |
| 3. Rice bean | 9. By products utilization in sugarcane |
| 4. Rape seed | 10. Harvesting in sesame |
| 5. Delinting of cotton | 11. Drying in tobacco |
| 6. Topping and desuckering | 12. Economic importance of cotton |

III. Write short essays on ANY SIX of the following

6 x 5 = 30

1. Define cropping system. Write in brief about multi storied cropping system with examples.
2. Briefly explain about manurial pattern for soybean and cowpea.
3. Explain in brief about the seed hardening technique in groundnut. State the importance of gypsum application in groundnut.
4. Explain the management practices for the improvement of seed setting in sunflower.
5. Briefly explain the fibre quality assessment in cotton.
6. Define retting. Explain the retting process in jute.
7. Explain the harvesting technique in betel vine.
8. Explain the production constraints in medicinal plants.

IV. Write an essay on ANY ONE

1 x 10 = 10

1. Discuss the production constraints in pulses and suggest steps to increase the productivity of pulses.
2. Give the cultural practices for i) Irrigated groundnut ii) Ratoon sugarcane