

# KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. Programme

IV<sup>th</sup> Semester Re- Examination- July/August-2015

Cat. No: Agro.2207

Marks: 80

Title: Field Crops II (1+1)

Time: 3 hours

## I State True or False

(10 x 1=10)

1. Cow pea is known as vegetable meat
2. Sunflower is photosensitive crop
3. Niger is commonly grown as a border crop
4. Horse gram is considered as Poor man's crop
5. Urea is the source of Nitrogen used in tobacco crop
6. Legumes are considered as restorative crops
7. TMV -2 is a variety of safflower
8. Rape seed and Mustard are the major rabi oil seed crops of South India
9. Sugar beet is biennial crop and produces seed during second year
10. Sugarcane is botanically classified as grass

## II Write short notes on any TEN

(10 x 3=30)

1. Monopodial and sympodial branches
2. Spreading and erect types of groundnut varieties
3. Seed fiber and bast fiber
4. Topping and de-suckering in tobacco
5. Yellow sarson and Brown sarson
6. Differentiate between *N. tabacum* and *N. rustica*
7. Discuss the quality parameters in tobacco
8. Measures to improve seed setting in sunflower
9. Advances in agronomic practices in chilli cultivation
10. Harvesting and netting of Jute and Mesta
11. Nipping in castor and safflower
12. Production technology for Red gram

## III Write short notes on any SIX

(6 x 5=30)

1. Importance of pulses in India .Constraints in pulse production and strategies to boost yield
2. Importance of oil seeds in Indian economy and constraints in oilseed production
3. Critical stages for irrigation and nutrient management for chilli and sunflower
4. Production technology for Sugar beet in Indian situations
5. Agronomic management practices for bunch type ground nut and safflower

6. What are the agrotechniques followed for increasing the productivity of kacholam and vetiver
7. Give the packages of practices for the cultivation of following crops under rain fed situation  
a) green gram b) chick pea c) peas
8. Write about harvesting and curing of different types of tobacco

**IV Write essay on ANY ONE**

**(1 x10=10)**

1. Write the production technology followed in sugar cane for different maturity groups (12, 15 and 18 months crop) to get maximum production (Nursery techniques ,planting time, variety, seed rate and population, weed management ,irrigation management and approximate yield levels)
2. Write a population technology for Desi cotton Egyptian cotton and Bt cotton .(Planting time , variety, seed rate and population, weed management ,irrigation management and approximately yield levels)

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