



KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Agriculture 2015 & Previous Admissions
IV Semester Final Examination-August 2017

Agro. 2207

Field Crops II (1+1)

Marks: 50
Time: 2 hours

I Fill in the blanks:

(10 x 1=10)

- 1 Chick pea is ----- in nature
a) Determinate b) Indeterminate c) intermediate d) Both a and b
- 2 Pigeon pea is native of -----
a) Pakistan b) Afganistan c) Mexico d) India
- 3 Seed rate for green gram is -----
a) 10 kg ha⁻¹ b) 25 kg ha⁻¹ c) 20 kg ha⁻¹ d) 15 kg ha⁻¹
- 4 Anti-nutrient constituent in groundnut is -----
a) Oxalates b) Polyphenols c) Glucosinolates d) Aflatoxin
- 5 Queen of oil seeds is -----
a) Sunflower b) Sesame c) safflower d) Niger

State True or False:

- 6 Chick pea is a short day plant.
- 7 Pigeon pea is both determinate and indeterminate in nature.
- 8 Optimum depth of sowing for greengram is 3-5 cm.
- 9 Spacing for Brassica is 45 x 30 cm.
- 10 Linseed is a rabi crop in India.

II Write short notes on any FIVE:

(5 x 2=10)

- 1 Economics importance of sugarbeet.
- 2 List out the importance of oil seeds.
- 3 Economic importance of vetiver and palmarosa.
- 4 Growth phases of betelvine.
- 5 Climatic requirement of jute.
- 6 Importance of pulse crops.
- 7 Arrowing in sugarcane.

III Answer any FIVE:

(5 x 4=20)

- 1 Classify Sesame on the basis of maturity, seed colour and number of carpels in the capsule.
- 2 Describe factors influencing the yield of groundnut.
- 3 What are the soil and climatic requirement of tobacco.
- 4 What are the merits and demerits of ratooning in sugarcane.
- 5 Give important characteristics of the four different species of cotton cultivated in India.
- 6 Give the economic importance of soybean and sunflower.
- 7 Describe the package of practices for commercially grown aromatic plants of Kerala.

IV Write essay on any ONE:

(1 x 10=10)

- 1 Describe in detail the physiological causes of low yield in cotton.
- 2 Explain the economic importance of medicinal plants grown in Kerala.