



KERALA AGRICULTURAL UNIVERSITY
B.Sc. (Hons.) Ag. 2017 Admission
III Semester Final Examination-January-2019

gro. 2104

Crop Production Technology-I(1+1)

Marks: 50
Time: 2 hours

I Fill in the blanks

(10x1=10)

- 1 Productivity of rice in Kerala -----
- 2 Name a multi-cut sorghum variety -----
- 3 Fertilizer recommendation for tannia cultivation in Kerala -----
- 4 An important crop of the rainfed areas of India which is also known as candle millet -----
- 5 The best soil for the cultivation of cassava -----

State True or False

- 6 Excessive N delays tuber formation in sweet potato.
- 7 Heavy rains are detrimental to wheat growth.
- 8 Split application of P is recommended for increasing fertilizer use efficiency.
- 9 Cassava tubers contain significant amount of cyanogenic glucosides.
- 10 Cassava cuttings taken from younger portions give better yields.

II Write Short notes on ANY FIVE of the following

(5x2=10)

- 1 Classification of wheat on the basis of genomic constitution.
- 2 Zero-till sowing of maize.
- 3 Nutrient recommendation for sorghum grown under various soil types.
- 4 Cultivated edible aroids.
- 5 Advantages of puddling in rice cultivation.
- 6 NPK recommendation for cassava - M 4, H97, H165 and local varieties.
- 7 Seasons of sweet potato cultivation.

III Answer ANY FIVE of the following

(5x4=20)

- 1 Phenophases in wheat under timely and late sown conditions.
- 2 Classification of maize.
- 3 Inter cropping in cassava. ...
- 4 Planting material for sweet potato planting.
- 5 Package of practices for guinea grass.
- 6 Advantages of transplanting in rice.
- 7 Water management for wheat.

IV Write an essay on ANY ONE of the following

(1x10=10)

- 1 Electro-chemical changes occurring in the rice fields due to submergence.
- 2 Measures to reduce the cultivation cost and improving the profitability of rice production in Kerala.
