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GIET UNIVERSITY, GUNUPUR – 765022
B. Sc (AG) (Third Semester) Examinations, December' 2020
AG 214 – Crop Production Technology -I

Time: 2hrs

Maximum: 50 Marks

PART – A

Answer all questions in Part –A

Q.1. Fill in the blanks with suitable word / figure. (10 x 0.5 = 5 Marks)

- Bitterness in jute is due to _____
- Cotton belongs to ----- family
- is the scientific name of pearl millet .
- Dosa, idli, bada, papad* and *badiare* prepared from -----
- Yellow revolution is associated with-----
- Scientific name of sesame is -----
- Seed rate of *dhaincha* for green manuring in kharif rice is -----
- One bale of cotton is equal to -----kg of lint.
- crops restore the soil fertility.
- Early maturing rice varieties are of -----days' duration.

Q. 2. Define (or) Explain the following in one or two sentences.(5 x 1 = 5 Marks)

- Aerobic rice
- Topping of cotton
- Seed hardening of sorghum
- Retting of jute
- Tasselling & silking of maize

Q 3. Choose the most appropriate answer from the following(10 x 0.5 = 5 Marks)

- Which of the following crop cannot be grown during kharif season in eastern India?
 - Wheat
 - Rice
 - Maize
 - Bajra
- Which of the following is used for brown manuring in rice?
 - 2, 4-D
 - Bispyribac Na
 - Fenoxaprop-p-ethyl
 - Pretilachlor
- Which crop is known as poor man's legume?
 - Horsegram
 - Soybean
 - Arhar
 - Greengram
- Which is known as queen of cereals?
 - Rice
 - oat
 - Barley
 - maize
- Which is used for seed inoculation of pulse crops?
 - Thiram
 - Rhizobium*
 - Azolla*
 - BGA
- Which maize is consumed as vegetable?
 - Popcorn
 - Dent corn

- (iii) Baby corn (iv) Sweet corn
- g Under SRI method, what is the seed rate of rice?
 (i) 40 kg/ha (ii) 35 kg/ha
 (iii) 30 kg/ha (iv) 5 kg/ha
- h Which is the centre of origin of maize?
 (i) Mexico (ii) Brazil
 (iii) India (iv) Japan
- i Ploughing the standing rice crop to control weed is known as
 (i) Earthing up (ii) Beushaning
 (iii) Weeding (iv) Hoeing
- j Cotton seeds are covered with short fibre known as
 (i) Bast (ii) Flakes
 (iii) Fuzz (iv) Lint

Q4. Write True or False against each statement (10 x 0.5 = 5 Marks)

- Dapog nursery is used for production of rice seedling.
- Primary centre of origin of pearl millet is Australia.
- Corchorus capsularis* is known as tossa jute.
- Hybrid napier can be planted at any time of the year except winter months.
- Post-emergence spray of butachlor is used for weed control in rice.
- Soybean is the richest source of quality protein and fat.
- Horsegram is believed to have originated in India.
- Hibiscus cannabinus* and *Hibiscus sabdariffa* are species of Sorghum.
- Sandy loam soil is most suitable for groundnut cultivation.
- Harvesting of single cut fodder oat is done at 80% flowering stage.

PART – B

Attempt ANY FIVE questions. All question carries equal marks

(6 x 5 = 30 Marks)

- Give a brief description of green manuring in rice crop.
- Write down about integrated nutrient management in maize crop.
- Write down genetic classification of pigeon pea.
- Write down the water management practices of cotton crop.
- Describe the economic importance of soybean.
- Give a brief description of weed management in finger millet.

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