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GIET UNIVERSITY, GUNUPUR – 765022
B. Sc. (Ag.) (Third Semester) Examinations, February – 2023
AG-214 - Crop Production Technology – I (Kharif crops)

Time: 2 hrs

Maximum : 50 Marks

The figures in the right hand margin indicate marks.

PART – A

Q.1. Fill in the blanks with suitable word / figure.

(0.5 x 10 = 5 Marks)

- a. The seed rate for transplanted paddy isKg/ha.
- b.is the largest producer of rice in India.
- c. Maize is known as
- d. Leading producer of pulses in the World is.....
- e. 'White gold' is used to describe.....crop.
- f. 1 bale of cotton equals to.....kg.
- g. Scientific name of Ragi is.....
- h. Ginning percentage is the ratio between.....
- i. cotton is having largest ginning percentage.
- j.is a white seeded variety of sesame.

Q. 2. Define (or) Explain the following in one or two sentences.

(1 x 5 = 5 Marks)

- a. Explain puddling in rice.
- b. Define Harvest Index.
- c. What are the Biotic and abiotic stress for a crop.
- d. Define popping in groundnut.
- e. Explain BBF method in groundnut.

Q3. Match COLUMN-A with COLUMN-B

(0.5 x 10 = 5 Marks)

Column – A		Column – B	
(a)	Fodder maize	(i)	<i>Paspalum scrobiculatum</i>
(b)	Soybean	(ii)	<i>Echinochloa frumentacea</i>
(c)	Kodo millet	(iii)	African tall
(d)	Foxtail millet	(iv)	Bragg
(e)	Barnyard millet	(v)	<i>Sateria italica</i>
(f)	Bitter jute	(vi)	<i>Corchorus olitorius</i>
(g)	Ground nut	(vii)	<i>Hibiscus sp.</i>
(h)	Tossa jute	(viii)	<i>Corchorus olitorius</i>
(i)	Mesta	(ix)	Phule pragati
(j)	Sorghum	(x)	CSH6

Q3. 4. Write True or False against each statement

(0.5 x 10 = 5 Marks)

- a. Pigeon pea is a drought tolerant crop.
- b. USA is the largest producer of maize in the world.
- c. Pigeonpea is the highest produced pulse in India.
- d. Rice is known as camel crop.
- e. Pulses are the rich source of protein.
- f. N₂ fixation in soybean is in association with *Bradyrhizobium japonicum*.
- g. Aflatoxin is a protein found in groundnut.
- h. *Gossypium barbadense* is also known as 'old world cotton'.
- i. Retting is process for oilseed production.
- j. CRIJAF specialises in oilseeds and cereals.

PART – B

Attempt ANY FIVE questions. All question carries equal marks

(6 x 5 = 30 Marks)

5. Describe various methods for weed management practices in paddy.
6. Describe the various constraints in pulse production in India and also describe the appropriate seed treatment methods and sequence in pulses.
7. Describe the Package of practices for cultivation of ragi. Write down the different minor millets found in India with scientific name.
8. Describe in brief about nutrient management in cotton.
9. Describe in brief about the classification of cotton.
10. Describe about the polythene mulch technology in groundnut.

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