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Brainware University
398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

Term End Examination 2025-2026
Programme – B.Sc.(Ag)-Hons-2024
Course Name – Crop Production Technology- I (Kharif Crops)
Course Code - CC-BAG371 (T)
(Semester III)

Full Marks : 50 **Time : 2:0 Hours**

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question) 1 x 20=20

1. *Choose the correct alternative from the following :*

(i) Choose the correct option: Name the Rice protein.
a) Oryzein b) Zein
c) HCN d) Maleic acid

(ii) Choose the correct option: What is the Milling percentage of rice?
a) 70-75 b) 60-65
c) 50-55 d) None of these

(iii) Choose the correct option: Which Gene is responsible for dwarfness of rice?
a) Tift 23A b) Dee gee woo gene
c) Opaque 2 d) None of these

(iv) Choose the correct option: Which is the Miracle rice variety of India?
a) Jaya b) Ratna
c) IR8 d) TN1

(v) Choose the correct option: Find out the salt tolerant variety of rice.
a) Phalguna b) Heera
c) IR8 d) Lunishree

(vi) Choose the correct option: Which Gas is emitted from rice field?
a) CH4 b) CO2
c) NO2 d) O2

(vii) Choose the correct option: Dapog method was originated from which country?
a) Madagaskar b) Phillipines
c) China d) Australia

(viii) Choose the correct option: Find out the cause of Akiochi disease in rice.
a) Zn deficiency b) H2S toxicity
c) Fe toxicity d) Root nematode

(ix) Choose the correct option: What is the Seed rate of composite variety of maize?

a) 15-20kg/ha
b) 20-25kg/ha
c) 30-40kg/ha
d) 40-50kg/ha

(x) Choose the correct option: Which one is the Pod corn species of maize?

a) Indentata
b) Everta
c) Tunicata
d) Indurata

(xi) Choose the correct option: ICAR- All India Coordinated Millet Improvement Project (AICMIP) was established in 1965, where is the Headquarter of AICMIP?

a) Bangalore
b) Hyderabad
c) Odisha
d) Jodhpur

(xii) Choose the correct option: FAO has declared 2023 as?

a) International Millets Year
b) International Soil Year
c) International Light Year
d) International Water Year

(xiii) Choose the correct option: Which cereal crop has maximum content of Niacin?

a) Finger millet
b) Pearl millet
c) Sorghum
d) Kodo millet

(xiv) Choose the correct option: Select the Scientific name of green gram.

a) Vigna radiata
b) Vigna mungo
c) Cicer aeritinum
d) Cicer kabulium

(xv) Choose the correct option: Peg of groundnut is -

a) Gynophore
b) Leaves
c) Fruit
d) Stem

(xvi) Choose the correct option: The bitterness of kernel of Ground nut is due to presence of -

a) Oxalic acid
b) Acetic acid
c) Maleic acid
d) Alfatoxin

(xvii) Choose the correct option: Weight of 1 bale cotton is -

a) 180kg
b) 190kg
c) 160kg
d) 170kg

(xviii) Choose the correct option: Fibre obtained from jute is known as -

a) Bast fibre
b) Lint fibre
c) leaf fibre
d) None of these

(xix) Choose the correct option: Rhizobium strain used for seed inoculation of soybean is -

a) Rhizobium leguminoserum
b) Rhizobium lupini
c) Rhizobium japonicum
d) None of these

(xx) Choose the correct option: Oil content of cotton seed is -

a) 21-25%
b) 10-15%
c) 15-25%
d) 25-30%

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Group-B

(Short Answer Type Questions) 2.5 x 10=25

2. Develop an idea on the economic importance of rice. (2.5)
3. Construct an idea on the soil and climatic requirements of rice. (2.5)
4. Construct an idea on rice growing season in India. (2.5)
5. Develop an idea on the origin and distribution of rice. (2.5)
6. Classify the maize species on the basis of the characteristics of kernels. (2.5)
7. Develop an idea on value and use of cotton. (2.5)
8. Develop an idea on weed management of cotton. (2.5)
9. Explain the soil and climatic requirements of finger millet. (2.5)

10. Discuss about the seeds and sowing of black gram. (2.5)
11. Explain the economic importance of soybean. (2.5)

OR

Explain the soil requirements for groundnut cultivation. (2.5)

Group-C

(Long Answer Type Questions) 5 x 1=5

12. Discuss about the time of sowing, seed rate, seed treatment and spacing for cotton cultivation. (5)

OR

Discuss about the irrigation management for cotton cultivation. (5)

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