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

## BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Sc.(Ag)-Hons-2022/B.Sc.(Ag)-Hons-2023

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: What is the rank of India in respect of Rice production?

- |          |           |
|----------|-----------|
| a) first | b) second |
| c) third | d) fourth |

(ii) Choose the correct option: What is Protein percentage in Rice grain?

- |                  |                  |
|------------------|------------------|
| a) 12 percentage | b) 10 percentage |
| c) 7 percentage  | d) 5 percentage  |

(iii) Choose the correct option: which option is correct?

- |                          |                           |
|--------------------------|---------------------------|
| a) Lemma and Pelea= Culm | b) Lemma and Pelea= Grain |
| c) Lemma and Pelea= Hull | d) Lemma and Pelea= Cob   |

(iv) Choose the correct option: What is the Hulling percentage of rice?

- |          |                  |
|----------|------------------|
| a) 70-75 | b) 60-65         |
| c) 50-55 | d) None of these |

(v) Choose the correct option: Dapog method was originated from which country?

- |               |                |
|---------------|----------------|
| a) Madagaskar | b) Phillipines |
| c) China      | d) Australia   |

(vi) Choose the correct option: Find out the optimum age of seedlings for transplanting in Dapog method.

- |              |              |
|--------------|--------------|
| a) 21-25days | b) 30-35days |
| c) 10-12days | d) 11-14days |

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

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

(viii) Choose the correct option: Name of maize protein

- |            |                |
|------------|----------------|
| a) Oryzein | b) Zein        |
| c) HCN     | d) Maleic acid |

(ix) Choose the correct option: What type of crop Maize is

- a) short day  
b) long day  
c) day neutral  
d) None of these
- (x) Choose the correct option: what is the Wild form of rice  
a) Indica  
b) japonica  
c) javanica  
d) None of these
- (xi) Identify millets belong to which group  
a) C4  
b) C3  
c) CAMP  
d) None of these
- (xii) Identify AICRP on small millets situated at Which city  
a) Bangalore  
b) Hyderabad  
c) Odisha  
d) None of these
- (xiii) 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
- (xiv) Choose the correct option: Which cereal crop has maximum content of Niacin?  
a) Finger millet  
b) Pearl millet  
c) Sorghum  
d) Kodo millet
- (xv) Choose the correct option: Which one has the highest IW/CPE ratio among the millets  
a) Finger millet  
b) Pearl millet  
c) Sorghum  
d) Kodo millet
- (xvi) Choose the correct option: Select the Scientific name of black gram  
a) Vigna radiata  
b) Vigna mungo  
c) Cicer aeritinum  
d) Cicer kabulium
- (xvii) Choose the correct option: Mutant variety of green gram  
a) Dhulia  
b) Samrat  
c) Pusa baishakhi  
d) Basanti
- (xviii) Choose the correct option: What type of germination is found in Pigeon pea  
a) Epigeal  
b) Hypogeal  
c) Both A and B  
d) None of these
- (xix) Choose the correct option: Sterility Mosaic Resistant variety of Pigeon pea  
a) Azad  
b) Bahar  
c) Mukta  
d) Prabhat
- (xx) Choose the correct option: Which crop works as mini fertilizer crop  
a) Arhar  
b) Green gram  
c) Black gram  
d) None of these

### 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 different species of rice (2.5)
4. Develop an idea on the origin and distribution of rice (2.5)
5. Classify the maize species on the basis of the characteristics of kernels (2.5)
6. Develop an idea on the different species of cotton growing in world (2.5)
7. Develop an idea on the different species of Jute growing in India (2.5)
8. Construct an idea of climatic requirements and soil of pigeon pea cultivation (2.5)
9. Discuss about the seeds and sowing of black gram (2.5)
10. Discuss about the nutrient management of soybean (2.5)
11. Explain the climatic requirements of sorghum (2.5)

OR

Classify the pigeon pea species according to their morphology (2.5)

**Group-C**

(Long Answer Type Questions)

5 x 1=5

12. Develop an idea about the water management and fertilizer requirement of black gram (5)

**OR**

Discuss about the dry upland rice cultivation of rice (5)

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