



## BRAINWARE UNIVERSITY

Term End Examination 2023-2024

Programme – B.Sc.(Ag)-Hons-2022

Course Name – Crop Production Technology - I (Kharif Crops)

Course Code - CC-BAG371(T)

( Semester III )

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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 total food grain production in India?
    - a) 275.4mt
    - b) 316.06mt
    - c) 475.3mt
    - d) 333.5mt
  - (ii) Choose the correct option: What is the rice production in India
    - a) 127.9mt
    - b) 137.4mt
    - c) 119.5mt
    - d) 104.7mt
  - (iii) Choose the correct option: Which state is the largest producer of rice in India
    - a) Karnataka
    - b) Andhra Pradesh
    - c) Tamil Nadu
    - d) West Bengal
  - (iv) Choose the correct option: What percentage of total food grain production contributes by Rice
    - a) 30
    - b) 40
    - c) 50
    - d) 60
  - (v) Choose the correct option: What is the rank of India in respect of Rice production
    - a) first
    - b) second
    - c) third
    - d) fourth
  - (vi) Choose the correct option: Name the Rice protein
    - a) Oryzein
    - b) Zein
    - c) HCN
    - d) Maleic acid
  - (vii) Choose the correct option: What is Protein percentage in Rice grain
    - a) 12 percentage
    - b) 10 percentage
    - c) 7 percentage
    - d) 5 percentage
  - (viii) 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
  - (ix) Choose the correct option: What is the Hulling percentage of rice

- a) 70-75  
c) 50-55
- b) 60-65  
d) None of these
- (x) Choose the correct option: What is the Milling percentage of rice
- a) 70-75  
c) 50-55
- b) 60-65  
d) None of these
- (xi) Choose the correct option: Predict the harvest index of Rice
- a) 0.23  
c) 0.5
- b) 0.4  
d) 0.33
- (xii) Identify the age of seedlings for transplanting in kharif season
- a) 21-25 days  
c) 10-12 days
- b) 30-35 days  
d) 11-14 days
- (xiii) Choose the correct option: Which Gene is responsible for dwarfness of rice
- a) Tift 23A  
c) Opaque 2
- b) Dee gee woo gene  
d) None of these
- (xiv) Choose the correct option: Which is the Miracle rice variety of India
- a) Jaya  
c) IR8
- b) Ratna  
d) TN1
- (xv) Identify the transplanting age of seedlings in SRI method
- a) 21-25 days  
c) 10-12 days
- b) 30-35 days  
d) 11-14 days
- (xvi) Choose the correct option: Evaluate the nursery area required in Dapog method for transplanting 1 ha area
- a) 100m<sup>2</sup>  
c) 1000m<sup>2</sup>
- b) 40m<sup>2</sup>  
d) 400m<sup>2</sup>
- (xvii) Choose the correct option: Find out the protein-rich rice variety
- a) Jagannath  
c) Pusa basmati1
- b) Prabhavati  
d) Sabarmati
- (xviii) Choose the correct option: Find out the World's first high yielding dwarf variety of rice
- a) Jagannath  
c) Pusa basmati1
- b) Prabhavati  
d) Sabarmati
- (xix) Choose the correct option: Find out the salt tolerant variety of rice
- a) Phalguna  
c) IR8
- b) Heera  
d) Lunishree
- (xx) Choose the correct option: Which Gas is emitted from rice field
- a) CH<sub>4</sub>  
c) NO<sub>2</sub>
- b) CO<sub>2</sub>  
d) O<sub>2</sub>

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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 different species of rice (2.5)
4. Construct an idea on the soil and climatic requirements of rice (2.5)
5. construct an idea on rice growing season in India (2.5)
6. Select the appropriate rice based cropping system under irrigated and unirrigated condition (2.5)
7. Develop an idea on the origin and distribution of rice (2.5)
8. Explain the economic importance of maize (2.5)
9. Explain the soil and climatic requirements of maize (2.5)
10. Explain the economic importance of sorghum (2.5)
11. Explain the climatic requirements of sorghum (2.5)

(2.5)

**OR**

Classify the pigeon pea species according to their morphology

5 x 1=5

**Group-C**

(Long Answer Type Questions)

(5)

12. Explain the dapog method of raising rice seedlings

**OR**

(5)

Explain the transplanting process of rice

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