



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Sc.(Ag)-Hons-2022

Course Name – Crop Improvement-I(Kharif Crops)

Course Code - CC-BAG575(T)

(Semester V)

Brainware University
Ramkrishnapur Road, Barasat
West Bengal-700125
Library

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) Identify the kharif crop.
 - a) Jowar
 - b) Maize
 - c) Paddy
 - d) All of these
- (ii) Barak valley in Assam is famous for which among the following?
 - a) Bamboo Industry
 - b) Petroleum production
 - c) Tea Cultivation
 - d) Cottage Industries
- (iii) Which among the following countries is the largest producer of rice?
 - a) India
 - b) Bangladesh
 - c) China
 - d) Australia
- (iv) Identify the first high yielding semi-dwarf aromatic rice variety.
 - a) Texamati
 - b) T9
 - c) Pusa Basmati 1
 - d) Taroro Basmati
- (v) Identify the dwarfing gene present in rice.
 - a) Dee-Geo-woo-Gen
 - b) IR-8
 - c) IR-20
 - d) TN-1
- (vi) Choose the correct option: Tift A is an important source of male sterility in
 - a) Penisetum typhoides
 - b) Sorghum
 - c) Avena sativa
 - d) None of these
- (vii) Choose the correct option: According to De Candole (1904 & 1932), the centre of origin of pigeon pea is
 - a) Africa
 - b) Asia
 - c) Australia
 - d) Russia

2. What are the full form of RSGCA, RSSCA, RRS? (2.5)
3. What are the full form of ICRISAT and AIPIP with its place? (2.5)
4. Explain about the achievement of arhar. (2.5)
5. Discuss about floral biology of Cowpea. (2.5)
6. Explain the importance of ideotype concept in crop breeding. (2.5)
7. Explain the hybrid seed production technology in maize. (2.5)
8. Prepare a list of different methods or Breeding Allogamous species. (2.5)
9. Elaborate about Three line hybrid development system. (2.5)
10. Explain about Two line hybrid development system. (2.5)
11. Discuss about origin and distribution of arhar. (2.5)

OR

Elaborate the male sterile line and recurrent selection method of arhar. (2.5)

Group-C

(Long Answer Type Questions)

5 x 1=5

12. Explain briefly about benefits of PGR. (5)

OR

Explain the different Objectives of Rice Breeding. (5)
