



BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Sc.(Ag)-Hons-2024

Course Name – Fundamentals of Agronomy

Course Code - CC-BAG171(T)

(Semester I)

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

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) Show the correct answer: Primitive method of sowing crop
 - a) Broadcasting
 - b) Drilling
 - c) Dibbling
 - d) transplanting
- (ii) Choose the correct answer: Medium depth of tillage
 - a) 5-6 cm
 - b) 15-20 cm
 - c) 25-30 cm
 - d) None of these
- (iii) Who is known as father of tillage
 - a) Jethro Tull
 - b) Dr. G.B. Triplett
 - c) Peter Decresenzi
 - d) None of these
- (iv) Choose the correct answer: Transferring seedling from nursery bed to main field is done in _____
 - a) Broadcasting
 - b) Drilling
 - c) Dibbling
 - d) transplanting
- (v) The word Agronomy is derived from which word?
 - a) Latin
 - b) Greek
 - c) Anglo-Saxon
 - d) English
- (vi) The word Agriculture is derived from which word?
 - a) Latin
 - b) Greek
 - c) Anglo-Saxon
 - d) English
- (vii) Show the correct option: Number of essential elements required for plant growth and development.
 - a) 16
 - b) 17
 - c) 20
 - d) 21
- (viii) Show the correct option: Select the number of functional elements required for plant growth and development

- a) 16
c) 20
(ix) Show the correct option: Identify the beneficial elements for plant growth
a) Na
c) Co
(x) Show the correct answer: Which irrigation practice leads to maximum water conservation
a) water wheel
c) Drip irrigation
(xi) Show the correct answer: What is the mean annual precipitation of India
a) 215 mham
c) 165 mham
(xii) Show the correct option: Nitrogen content of urea is about what percent
a) 24
c) 82
(xiii) Show the correct option: Bulky organic manures include which one
a) FYM
c) Sewage sludge
(xiv) Show the correct option: Silicon is included in which category of nutrients
a) Essential
c) Luxurious
(xv) Show the correct option: What is N percent in FYM
a) 0.2
c) 0.5
(xvi) Show the correct option: Green manure plants belong to which group
a) Poaceae
c) Leguminosae
(xvii) Show the correct option: Available water for plant
a) PWP to UWP
c) FC to UWP
(xviii) Identify the father of weed science
a) Jethro Tull
c) V V Dokuchev
(xix) Identify the Mimicry weed
a) Phalaris minor in wheat field
c) Cyperus rotundus in Wheat field
(xx) Identify the sedge weed
a) Phalaris minor
c) Echinochloa colona
- b) 17
d) 21
b) V
d) all of these
b) Tube well
d) Sprinkler
b) 450 mham
d) 400 mham
b) 46
d) 94
b) Compost
d) All of these
b) Beneficial
d) Secondary
b) 0.4
d) 1
b) Solanaceae
d) Compositae
b) FC to PWP
d) None of these
b) Peter Decresenzi
d) Justus Von Leibeig
b) Rice in wheat field
d) Off type crop varieties
b) Cyperus rotundus
d) Eichornia crassipes

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

Group-B

(Short Answer Type Questions)

2.5 x
10=25

2. Summarize the soil moisture constants for crop production (2.5)
3. Explain the term Agriculture (2.5)
4. Explain the term Agronomy (2.5)
5. Compare between soil fertility and soil productivity (2.5)
6. Construct a short note on herbigation (2.5)
7. Construct a short note on crop rotation (2.5)
8. Explain the concentrated organic manures (2.5)

- | | |
|--|-------|
| 9. Classify the fertilizer | (2.5) |
| 10. Classify the essential plant nutrients | (2.5) |
| 11. Explain the importance of irrigation for crop production | (2.5) |
| OR | |
| Explain the bulky organic manures | (2.5) |

Group-C
(Long Answer Type Questions)

5 x 1=5

- | | |
|--|-----|
| 12. Explain the criteria of essentiality of nutrients | (5) |
| OR | |
| Explain the Field Capacity and Permanent Wilting Capacity. | (5) |

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