



BRAINWARE UNIVERSITY

Term End Examination 2023-2024

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

Course Name – Fundamentals of Agronomy-II

Course Code - CC-BAG279(T)

(Semester II)

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 which one of the following is not an auxin
 - a) Indole-3-acetic acid
 - b) Malic Hydrazide
 - c) Indole butyric acid
 - d) Naphthalene acetic acid
- (ii) Choose the correct option: Seed dormancy is triggered by which hormone
 - a) Indole-3-ethanol
 - b) Abscisic acid
 - c) Carbon dioxide
 - d) None
- (iii) Identify which plant hormone generally present in the gaseous state
 - a) Ethylene
 - b) Ethane
 - c) Argon
 - d) None
- (iv) Choose the correct option: Typical plant growth follows which type of curve.
 - a) J-shaped
 - b) S-shaped
 - c) I-shaped
 - d) Parabolic
- (v) What is Growth
 - a) Irreversible increase in size
 - b) Reversible increase in size
 - c) Reversible increase in shape
 - d) Increases in volume
- (vi) Select the example of Short day plant
 - a) wheat
 - b) oat
 - c) lentil
 - d) rice
- (vii) Which among the following are richest source of gibberellin in higher plant
 - a) Root
 - b) Stems
 - c) Leaf
 - d) Immature seeds
- (viii) Choose the correct option: The term Ideotype was coined by

- a) Donald
c) Thorne
- b) Hamblin
d) None
- (ix) What is the definition of Crop rotation
- a) System of growing different kinds of crops on the same land
c) A method of growing different crop
- b) System of growing different crop in succession on the same land
d) System of growing the same crop on different fields
- (x) Choose the correct option: _____ is termed as temporary drought
- a) Meteorological drought
c) Agricultural drought
- b) Hydrological drought
d) Atmospheric drought
- (xi) Choose the correct option: Drought with marked depletion of surface water and consequent drying up of lakes, rivers, reservoirs etc.
- a) Meteorological drought
c) Agricultural drought
- b) Hydrological drought
d) Atmospheric drought
- (xii) Choose the correct option: Insufficient soil moisture availability in soil to the crop is called
- a) Meteorological drought
c) Agricultural drought
- b) Hydrological drought
d) Atmospheric drought
- (xiii) Choose the correct option: A short duration crop in between two main crops is termed as:
- a) Cash crop
c) Companion crop
- b) Catch crop
d) Ephemeral
- (xiv) Choose the correct option: The Kharif crops are sown in which months?
- a) March-April
c) October-November
- b) June-July
d) January-February
- (xv) Choose the correct option: The Rabi crops are sown in which months?
- a) March-April
c) October-November
- b) June-July
d) January-February
- (xvi) Which crop is called 'camal crop'?
- a) Maize
c) Jowar
- b) Moth
d) Bajara
- (xvii) Which among the following is a example of cover crop?
- a) Maize
c) Redgram
- b) Cowpea
d) All of these
- (xviii) Which crop based cropping system is predominant in low lands of India
- a) Rice
c) Sugarcane
- b) Jute
d) Banana
- (xix) Which cropping system is having largest area in India
- a) Rice-Wheat
c) Rice-Rice-Rice
- b) Wheat-Rice
d) Rice-Oilseeds
- (xx) What are the biological factors affecting farming system among the following
- a) Topography
c) Education
- b) Livestock
d) Rainfall

Group-B

(Short Answer Type Questions)

2.5 x
10=25

2. Discuss about Leaf Area Index

(2.5)

3. Describe Growth inhibitors with example (2.5)
4. Define ideotype breeding (2.5)
5. Explain about principles of Crop rotation (2.5)
6. Described the reason behind choosing crop rotation (2.5)
7. Give a brief explanation on Wasteland (2.5)
8. Explain about culturable wasteland (2.5)
9. Explain about non-culturable wasteland (2.5)
10. Construct an idea on harvesting (2.5)
11. Discuss about CGR (2.5)

OR

Discuss about NAR (2.5)

Group-C

(Long Answer Type Questions)

5 x 1=5

12. Discuss the various uses of plant growth regulators (5)

OR

Discuss the advantages of crop rotation (5)
