



Brainware University
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BRAINWARE UNIVERSITY

Term End Examination 2022

Programme – B.Sc.(Ag)-Hons-2021/B.Sc.(Ag)-Hons-2022

Course Name – Fundamentals of Agronomy-I

Course Code - CC-BAG101

(Semester I)

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) Which one is the surface irrigation methods
- a) Check basin
b) Sprinkler
c) Drip
d) Both 1 and 2
- (ii) Which one is called On and Off method
- a) Drip method
b) Surge method
c) Furrow method
d) Basin method
- (iii) The word Agronomy is _____ word
- a) Latin
b) Greek
c) Anglo-Saxon
d) English
- (iv) Optimum depth of sowing
- a) 3-5cm
b) 2-3cm
c) 5-6cm
d) 1-5cm
- (v) Tillage is an _____ word
- a) Latin
b) Greek
c) Anglo-Saxon
d) English
- (vi) Father of tillage
- a) Jethro Tull
b) Peter Decresenzi
c) V V Dokuchev
d) None of theses
- (vii) Mould board plough is the example of
- a) primary tillage
b) secondary tillage
c) terciary tillage
d) all of theses
- (viii) Subsoiling is done to
- a) prepare seedbed
b) loosening of the soil
c) breaking the hard pan
d) to control weeds
- (ix) Zero tillage first started in which country
- a) USA
b) Mexico
c) Australia
d) India
- (x) Which plant can be sown by Square planting geometry

- a) Rice
- b) Wheat
- c) Coconut
- d) Maize
- (xi) Who proposed the criteria of essentiality
 - a) Arnon and Stout (1939)
 - b) Arnon (1954)
 - c) Nicholas (1961)
 - d) Sachs (1882)
- (xii) Select the number of essential elements required for plant growth and development
 - a) 16
 - b) 17
 - c) 20
 - d) 21
- (xiii) which element is immobile in plant
 - a) Ca
 - b) B
 - c) only 2
 - d) Both 1 and 2
- (xiv) Which nutrient show the hidden hunger symptoms in plants
 - a) N
 - b) P
 - c) K
 - d) Ca
- (xv) Which nutrient show the luxury consumption in plants
 - a) N
 - b) P
 - c) K
 - d) ca
- (xvi) Buttoning of cauliflower is caused by which nutrient
 - a) N
 - b) P
 - c) K
 - d) Ca
- (xvii) which nutrient deficiency causes Red purple colouration of leaves
 - a) N
 - b) P
 - c) K
 - d) Ca
- (xviii) which nutrients are secondary nutrients
 - a) Ca
 - b) Mg
 - c) S
 - d) all of theses
- (xix) Which element is essential constituent of chlorophyll
 - a) Ca
 - b) Mg
 - c) S
 - d) all of theses
- (xx) What is the cause of Akiuchi disease of rice
 - a) Deficiency of S
 - b) Toxicity of H₂S
 - c) Deficiency of Fe
 - d) None of theses

Group-B

(Short Answer Type Questions)

2.5 x
10=25

- 2. What is Mixed fertilizers (2.5)
- 3. Explain the classification of weeds (2.5)
- 4. What is Mixed fertilizers (2.5)
- 5. Define the term Agronomy (2.5)
- 6. Name the different agroclimatic zone of West Bengal (2.5)
- 7. What are the different method of sowing (2.5)
- 8. Explain the different depth of ploughing for different tillage operation (2.5)
- 9. Classify the essential element on the basis of amount required by plants (2.5)
- 10. Describe green manure (2.5)
- 11. Describe the classification of phosphatic fertilizer (2.5)

OR

What is FYM (2.5)

Group-C

(Long Answer Type Questions)

5 x 1=5

- 12. What are the criteria for essentiality (5)

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(5)

OR

Discuss about the physical method of weed control
