



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

20

(Multiple Choic	e Type Question)	1 x 20=2
 Choose the correct alternative from the follow 	ving :	
(i) Which one is the surface irrigation methods		
a) Check basin c) Drip	b) Sprinklerd) Both 1 and 2	
(ii) Which one is called On and Off method	a) both I and 2	
a) Drip methodc) Furrow method	b) Surge methodd) Basin method	
(iii) The word Agronomy isword		
a) Latin	b) Greek	
c) Anglo-Saxon (iv) Optimum depth of sowing	d) English	
a) 3-5cm	b) 2-3cm	
c) 5-6cm (v) Tillage is anword	d) 1-5cm	
a) Latin	b) Greek	
c) Anglo-Saxon (vi) Father of tillage	d) English	
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 (viii) Subsoiling is done to	d) all of theses	
a) prepare seedbed	b) loosening of the soil	
c) breaking the hard pan (ix) Zero tillage first started in which country	d) to control weeds	
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 requ	ired for plant growth and developmen	t	
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 symp			
a) N	b) P		
c) K	d) Ca		
(xv) Which nutrient show the luxury consumption			
a) N	b) P		
c) K	d) ca		
(xvi) Buttoning of cauliflower is caused by which nu			
a) N	b) P		
c) K	d) Ca		
(xvii) which nutrient deficiency causes Red purple c			
a) N	b) P		
c) K	d) Ca		
(xviii) which nutrients are secondary nutrients	13.50		
a) Ca	b) Mg		
c) S(xix) Which element is essential constituent of chlor	d) all of theses		
` '	, ,		
a) Ca	b) Mg		
c) S (xx) What is the cause of Akiochi disease of rice	d) all of theses		
• •	h) Taviaity of U2C		
a) Deficiency of Sc) Deficiency of Fe	b) Toxicity of H2Sd) None of theses		
c) bendency of re	d) None of theses		
Grou	лр-В		
(Short Answor To	una Quastians)	2.5 x	
(Short Answer Ty	/pe Questions)	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	an cal	(2.5)	
6. Name the different agroclimatic zone of West Be7. What are the different method of sowing	engai	(2.5) (2.5)	
Explain the different depth of ploughing for	erent tillage operation	(2.5)	
 Classify the essential element on the basis of am 		(2.5)	
10. Describe green manure	7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	(2.5)	
11. Describe the classification of phosphatic fertilize	er	(2.5)	
0	R		
What is FYM		(2.5)	
Group-C			
(Long Answer T	-	5 x 1=5	
/==8	,, ,		
42 144		(5)	

(5)

12. What are the criteria for essentiality

(5)
