



BRAINWARE UNIVERSITY

Term End Examination 2023-2024 Programme – B.Sc.(Ag)-Hons-2022 Course Name - Farming System and Sustainable Agriculture **Course Code - CC-BAG402** (Semester IV)

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.]

1 x 20=20

	Asada in A Group-A		
	(Multiple Choice Type Question)		
l.	Choose the correct alternative from the following :		
(i)	Explain the farming type where entire production is to sell in market is		
	a) Subsistence b) commercial		
	c) Extensive d) mixed farmi	ng	
(ii)	(ii) Show the correct option: Growing 2 or more crops simulteneous wide enough to idependent cultivation but narrow enough for agronomically is called	usly in different strips	
	a) Mixed cropping	opping	
	c) Strip intercropping d) Relay intercr		
(iii)	(iii) Show the correct option: Individual crop species which is a part system is called	t of multiple cropping	
	a) Component crops b) Intercrops		
	c) Mixed cropping d) None of the	se	
iv) Show the correct option: Which is the basic requirement fro intercropping			
	a) Peak nutrient demand of main and b) intercrops should not coincides Must be con	nplementary	
	c) Maturity period must have atleast 30 days interval d) All of these		
v)	v) Show the correct option: Which crop based cropping system is lands of India	predominant in low	

(vi) Show the correct option: Which of the crops can be grown after rice in the upland

b) Jute

d) Banana

d) All of these

b) Mustard and Chickpea

a) Rice

c) Potato

c) Sugarcane

a) Wheat and Barley

cropping system where winter is cool

(vii) Show the correct option: Cropping system depends on	in low land and upland (irrigated) is largely
a) Duration of water availability	b) Domestic needs
 c) Both Duration of water availability and Domestic needs 	d) None of these
(viii) Show the correct option: Which cropping	system is having largest area in India
a) Rice-Wheat	b) Wheat-Rice
 c) Rice-Rice-Rice (ix) Show the correct option: Predominant cro Bihar is 	d) Rice-Oilseeds pping system in West Bengal and parts of
a) Jute-Wheat	b) Jute-Potato
c) Jute-Rice-Wheat	d) All of these
(x) Show the correct option: Which cropping s application	system does not require any additional N
a) Cereal-legume	b) Legume-legume
c) Both a and b	d) None of these
(xi) Show the correct option: Which of the follonutrient to the succeeding crops	
a) Green gram c) Potato	b) Barley
(xii) Show the correct option: Land equivalent re	d) Wheat
a) Yield advantage	
c) Yield loss	b) No yield advantage or loss d) All of these
(xiii) Show the correct option: Land equivalent ra	atio is useful index under
a) Additive series	b) Replacement series
c) Both a and b	d) None of these
(xiv) Show the correct option: Which crop is the	most efficient nitrogen utilizer
a) Jute	b) Maize
c) Potato	d) Groundnut
(xv) Show the correct option: The most efficient	phosphorus utilizing crop is
a) Maize c) Potato	b) Groundnut
	d) Jute
(xvi) Show the correct option: Judicious mix of or called	ne or more enterprises with cropping is
a) Cropping system	b) Farming system
c) Both a and b (xvii) Show the correct option: which of the falls.	d) None of these
(xvii) Show the correct option: which of the follow increasing profit and utilization resources ef	ving can be combined with fish for fectively
a) Duck	b) Pig
c) Poultry	d) All of these
(xviii) Show the correct option: Which of the addit system in uplands yields high returns	ional enterprise with existing cropping
a) Dairy	b) Biogas
c) Silviculture	d) All of these
(xix) Show the correct option: ICAR adhoc model was established during	of farming system research in low lands
a) 1990	b) 1975
c) 1998 (xx) Show the correct entiant Forming and	d) 2002
(xx) Show the correct option: Farming system res	
a) Researchers need basedc) Institute need based	b) Farmers need based
c) mattate need pased	d) None of these

Group-B

	(Short Answer Type Questions)	2.5 x 10=25	
		10=25	
2. Simplify	the term carbon foot print	(2.5)	
3. Explain (Conventational Agriculture	(2.5)	
4. Simplify	the term Integrated Farming system	(2.5)	
Explain t	he term Agro-ecosystem	(2.5)	
6. Explain t	he term cropping pattern	(2.5)	
7. Explain t	he term sole cropping	(2.5)	
8. Explain t	he term Mixed cropping system	(2.5)	
9. Illustrate	additive series inintercropping system	(2.5)	
10. Explain t	he term sequential cropping	(2.5)	
11. Explain t	he term Agrobiodiversity	(2.5)	
	OR		
Discuss a	bout Bio-dyanamic farming	(2.5)	
Group-C			
	(Long Answer Type Questions)	5 x 1=5	
12. Simplyfy	the different practices involved in conservation agriculture	(5)	
	OR	(-)	
Discuss a	bout IFS and its objective	(5)	
