Seat No:_____

PARUL UNIVERSITY

Enrollment No:_____

COLLEGE OF AGRICULTURE B.Sc.(Hons.)Agriculture Summer 2021 - 22 Examination

a ·		ummer 2021 - 22 Examinati				
Semester:		Date: 14-03-2022				
•	ode: 20101253	Time: 10:30am to 1:00pr	n			
Subject Name: Farming System and Sustainable Agriculture Total Marks: 50						
Instructio						
1. All questions are compulsory.						
2. Figures to the right indicate full marks.						
	itable assumptions wherever necessary.					
4. Start ne	w question on new page.					
0 4 P						
-	as Directed.					
	in the blanks. (Each of 0.5 marks)		(0))5)		
	New alluvial known as, and old alluvial known as					
	Condensation of water vapour present in the air in cool nights results in					
3.	Relative humidity of% is suitable for most of the crop plants.					
	When relative humidity is high there is chance for the infestation of in rice crop.					
5.	colour light is found to be most favourable for plant growth.					
	Graded bunds are recommended on land having slop%.					
	Plant tissue contains% moisture.					
δ.	is the attraction of two dissimilar kinds of molecules like attraction of water					
0		molecules for the solid surface of soil.				
9.	is in calories required to rais	e the temperature of one gra	im of substance to one			
10	degree C.					
	Soils with low pH are injurious to plants due					
	lltiple choice type questions. (Each of 1.00 n		1)	L O)		
1.	Soil with low pH are injurious to plant due to	÷				
	a) Fe	c) Mo				
2	b) B	d) N				
2.	The practices of growing crops across the slo					
	a) Contour farming	c) Mix cropping				
3.	b) Strip cropping	d) Intercropping				
	Low level of O_2 and High level of CO_2 is four					
	a) Arid	c) Saline				
4	b) Alkaline	d) Waterlogged				
4.	is an important tree suitable for co					
	a)Casuarina	d) Neem				
5.	b) Khijari The fruit open is suitable in selt offected soil	u) Neem				
5.	The fruit crop is suitable in salt affected soil. a) Ber	c) Almond				
	b) Lemon	d) Sapota				
6	Evaporation increase with increase in					
0.	a) RH	c) Dew				
	b) Wind Velocity	d) Rainfall				
7	Rice + Fish + Azolla is an example of					
7.	a) Wetland IFS	c) Garden land IFS				
	b) Dryland IFS	d) Irrigated IFS				
8	India has km coastal line.	u) Inigated if 5				
0.	a) 5600	c) 8000				
	b) 6500	d) 6000				
0	Shifting cultivation cover an area of	_million ha.				
2.	a) 9.86	c) 5.74				
	b) 2.33	d) 4.36				
10	Pyric factors means	u) 7.30				
10.	a) Fire factors	c) Physiographic factors				
	b) Soil factors	d) Aerial factors				
11	Crop + Agroforestry + goat + farm pond is an	· · · · · · · · · · · · · · · · · · ·				
11.	a) Wetland IFS	c) Garden land IFS				
		c, Guraon fund II D	_ .			

	10	b) Dryland IFS	d) Irrigated IFS	
	12.	Which practices reduce the external input usage		
		a) LEISA	c)DRIS d) FIRBS	
	13	b) HEISA Cropping intensity means	u) FIKBS	
	13.	a) % ratio of gross cropped area to net	c) % ratio of number of crops in rotation to	
		cropped area	period of one rotation	
		b) % ratio of net cropped area to gross	d) None	
		cropped area		
	14.	The basic principle of taking crop rotation is		
		a) To maintain the fertility status of soil	c) To keep the weeds under control	
		b) To take higher returns per unit area of the	d) To take higher crop yield	
		soil		
	15.	The addition of lime :		
		a) Reduces soil acidicity	c) Increases porosity of soil	
		b) Causes decomposition of organic material		
	16.	include all forms of falling rom atmo	-	
		a) Evaporation	c)transpiration	
	1 -	b) Precipitation	d) vapour	
	17.	is an example of Crop rotatio		
		a) Rice – Wheat - Moongb) Rice – Wheat + Chickpea	c) Maize + Greengram - Chickpead) All of the above	
	18	The most important green manure crop for salt	· · · · · · · · · · · · · · · · · · ·	
	10.	a) Dhaincha	c)Sunhemp	
		b) Clusterbean	d) Green gram	
	19.	BGA fix atmospheric nitrogen in fiel		
		a) Wheat	c)Jute	
		b) Rice	d) Sun hemp	
	20.	is mechanical approach to weed co	ontrol.	
		a) Moving	c)Smother crop	
		b) Allelopathic plant	d) Crop rotation	
Q.2		Define following (Any Five).		(5)
		IFS		
		Organic farming		
		Mix cropping		
	4. 5.	Soil reaction Dry land		
	5. 6.	Soil conservation		
		Answer the following. (Any Five)		(5)
		Enlist mechanical methods of soil conservation	S.	(0)
		What is waste land?		
		What is marshy land?		
		Enlist types of batch terracing.		
	5.	HEISA stand for:		
		Classify salt affected soil.		
Q.3		ite short notes. (Any five)		(15)
		Differentiate Organic farming vs natural farmin	ıg.	
		Why sustainable farming system?		
		Give scope of farming system.		
		Enlist the characters of dry land ecosystem.		
	5. 6.	How we can conserve energy resources? Explain water logging.		
0.4		empt any Three/Long Questions/Example		(15)
~~	1.	Give key principle of organic farming.		
		Explain effect of high and low temperature on g	prowth of plants.	
		Write short note on reclamation of salt affected		
	5.	The short note on reclamation of sait affected	5011.	

Describe basic concept of LEISA.