Seat No:	Enrollment No:

PARUL UNIVERSITY

COLLEGE OF AGRICULTURE

	B.Sc.(Hons.) Agricult	ture Summer 2016 – 17, Examination		
Semester: 1 Subject Code: 20101101			Date: 04/07/2017 Time: 10:00am to 1:00pm Total Marks: 60	
Instruction	ns			
1. Attempt	all questions from each section.			
2. Figures t	o the right indicate full marks.			
3. Make su	itable assumptions wherever necessary.			
4. Write see	ction – A, section – B on separate answ	er sheets.		
	i	SECTION - A		
Q.1 Fil	l in the blanks. (Each of 0.50 marks)			(10)
1.	Agriculture is derived from the Lati	n words 'agar' or 'agri' means	_ and 'cultura'	
	means			
2.	Total geographical area in India is	Million hectare.		
3.	"Agriculture" is a word.			
4.	Father of Green Revolution in India is			
5.	Rice is a type of plant as per	"Photo-periodically".		
6.	Father of tillage			
7.	Father of Green Revolution in world is			
8.	Growing three crops per year in seque			
9.	The line joining the places of equal ra			
	5 1	t in the standing crop is called		
	Under Dry-land or limited irrigation, or			
		ield of main crop are known as		
13.		e crops at the same time and in the same		
	field are known as			
14.	Father of White Revolution			
15.	Low lying and flood prone areas, wat	er stagnation tolerant crops are	•	
16.	The boundary zones along with two a	ir masses meet are called as		
17.	Tillage operations that are carried out	from the time of harvest of a crop to the		
	sowing of the next crop are known as	·		
18.	Lighter or finer operation performed or	n the soil after primary tillage is known a	s .	
	White revolution is related to	, , , , , , , , , , , , , , , , , , ,		
		d the main crop are known as		
	atch group A with group B. (Each of the state of the stat	•		(05)
-	A	В		. /
1) (Golden Revolution	 a) Fertilizer production 		

2) Gray Revolution

b) Egg/poultry production

c) Potato production

3) Pink Revolution 4) Red Revolution

d) Fruit production

5) Round Revolution

e) Meat/Tomato production

6) Silver Revolution

f) Food grain production

7) Green Revolution

g) Prawn production

8) White Revolution

h) Fish production

9) Yellow Revolution

i) Oilseeds production

10) Blue Revolution

- j) Milk production (dairy)
- Q.3 Define the following. (Any ten)

- 1. Atmosphere
- 2. Hygromter
- 3. Organic Faming
- 4. Anemometer
- 5. Climatolgy
- 6. Stratus
- 7. Ploughing
- 8. Mono-cropping
- 9. Dry Farming

(05)

- 10. Pudding
- 11. Cloud
- 12. Guard crops

b) Weather

Q.4 Answer the following. (Any ten)

(10)

(10)

- 1. What is precipitation & type of precipitation?
- 2. .Components of Organic Farming
- 3. What is agriculture weather forecasting? Give its classification.
- 4. Write down any four Agriculture revolution & revolution is related to for what?
- 5. Write down the steps involved in development of agriculture.
- 6. Advantages of intercropping.
- 7. Write down the types of clouds and explain in brief.
- 8. Importance of wind in agriculture.
- 9. What are Rain and its types?
- 10. Tools used in agriculture. (any five)
- 11. Characteristics of subsidiary crops mixed with the main crops.
- 12. What is Sequential Cropping? Enlist its variations.

Multiple choice type questions. (Each of 0.50 mark) 1. Growing three crops per year in sequence are known as a) Double cropping b) Quadruple cropping d) Relay cropping 2. Agronomy is derived fromword. a) Greek c	SEC	CTION - B
a) Double cropping b) Quadruple cropping c) Triple cropping d) Relay cropping 2. Agronomy is derived fromword. a) Greek	Multiple choice type questions. (Each of 0.5	0 mark)
b) Quadruple cropping d) Relay cropping 2. Agronomy is derived fromword. a) Greek c) English b) Latin d) None of these 3. Inter crops are of duration & are harvested much earlier than main. a) Short c) Same b) Long d) All of these 4. The isothermal layer marking the end of temperature decrease is called a) Tropo-pause c) Thermo-pause b) Strato-pause d) None of these 5. CAZRI is located in a) Jodhpur, Rajasthan c) Mysore, Karnataka b) Simla, H.P. d) Nagpur, Maharashtra 6. In which crop are requiring longer day length for flowering? a) Cotton, Rice, Jower, Bajara c) Groundnuts, Watermelon, Pumpkins b) Wheat, Gram, Sunflower d) All of these 7. Total geographical area in India a) 328.848 mllion ha c) 179.750 mllion ha b) 304.300 mllion ha d) 161.300 mllion ha 8. Green gram, black gram and pea are crops. a) Grain crops. c) legume crops b) Forage crop d) Fibre crops 9. Moderate winds have speeds of about a) 10-18 km/hr. c) 2-38 km/hr. b) 20-38 km/hr. d) 40 -58 km/hr. 10. The forecasting for a month or a season is knows as a) Long range forecast c) Medium range forecast b) Short range forecast d) Now casting 11 defined Meteorology as a study of lower atmosphere. a) Arnon c) Munch b) Aristotle d) Mendal 12. A is a devise used to measure temperature. a) Barometer d) Anemometer 13. Current atmospheric condition is known as	1. Growing three crops per year in sequence ar	re known as
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a) Barometer b) Psychrometer d) Anemometer 13. Current atmospheric condition is known as		·
b) Psychrometer d) Anemometer 13. Current atmospheric condition is known as		
13. Current atmospheric condition is known as	,	*
a) Cyclone c) Climate	a) Cyclone	c) Climate

d) Anti-Cyclone

		rom Oct to March month are known as				
	a) Rabi crops	c) winter crops				
	b) Cold seasons crops	d) All of these				
	15. Simultaneous precipitation of the mixture of rain and snow is called as					
	a) Snow	c) Shower				
	b) Sleet	d) Rain				
		16. Green revolution has been most successful in				
	a) Wheat & potato	c) Wheat & rice				
	b) Tea & coffee	d) Barley & rice				
	17. $P = \underline{\hspace{1cm}} + DST + S$					
	a) ST	c) ET				
	b) RT	d) XT				
	18. Mixed Forms of precipitation is					
	a) Snow	c) Shower				
	b) Hailstrom	d) Rain				
	19. DALR is stand for					
	a) Dry adiabatic lapse rate	c) Dry air lapse rate				
	b) Day adiabatic lapse rate	d) Day air lapse rate				
	20. Mixing of seeds and rising two – three	ee crops at the same time & in same field.				
	a) Companion Crops	c) Guard crops				
	b) Mixed Crops	d) Augmenting crops				
Q.2	Give the sentence true or false. (Each		(05)			
	1. Rainfall associated with hail stone is called hailstorm.		` '			
	2. Weather is defined as generalized or average condition of weather of a place or region.					
	3. Long range forecast valid for more that					
	4. Growing four crops per year in sequence are known as Triple cropping.					
	5. Crops grown in summer month from March to June are known as Kharif crop.					
	6. Drug crop used for preparation for medicines.					
	7. The air that moves parallel to any part of the earth surface is called hail.					
	8. On the basis of the vertical temperature difference, the atmosphere can be divided into four					
	horizontal layers or shells.	e difference, the atmosphere can be divided into four				
	9. Oil seeds crop seeds are rich in fatty acids.10. The drizzle drop is less than 0.5 mm in size					
0.2	*	III SIZE	(10)			
Ų.S	Write short notes. (Any five)	I altipations of tillage	(10)			
	1. What is tillage? Write down Aims and					
	2. What is hydrological cycle and steps of Hydrological cycle?					
	3. Write down agronomic classification and their uses with examples.					
	4. Importance and Scope of Meteorology	e e e e e e e e e e e e e e e e e e e				
	5. What is mixed cropping? Write down					
	6. Write down classification based on gro	owing season.				
Q.4	Differentiate the following. (Any five)		(05)			
	1. Calm air and Strong Winds					
	2. Meteorology and Climatology.					
	3. Weather and Climate.					
	4. Dry land Farming and Rain fed Farming	ng.				
	5. Intercropping and Mixed cropping.					
	6. Primary Tillage and Secondary Tillage.					
	7. Kharif Crops and Rabi Crops.					