Seat No:\_\_\_

## PARUL UNIVERSITY

Enrollment No:\_\_\_\_

COLLEGE OF AGRICULTURE B.Sc.(Hons.)Agriculture, Summer 2017- 18 Examination

Semester: 4	iculture, Summer 2017- 18 Exa	Date: 16/05/2018
Subject Code: 20102251 Subject Name: Breeding of Field/Horticultu	ural Crons	Time: 10:30 am to 1:00 pm Total Marks: 60
Instructions		
1. All questions are compulsory.		
2. Figures to the right indicate full marks.		
3. Make suitable assumptions wherever necess	sary.	
4. Start new question on new page.		
Q.1 Do as Directed.		
A. Fill in the blanks. (Each of 1.00 mar	·ks)	(10
1is one of the leading cere		(=-
2. The rice flower is surrounded by	-	
3. Out Crossing percentage in Maize		
4. Full form of SBI is	-	
5. The genus tripsacum is a close relat		
6is an example of an Allo		
7. Bajra contains% protein an		
8. Centre of origin of Bajra is		
9is India's predominant c		
10. Corn is most important grain crop	-	
B. Multiple choice type questions. (Eac		(10
1. Local name of Pearl Millet is		(
a) Bajra	 c) Rice	
b) Maize	d) All of The above	2
2. Heterosis in rice first reported by Jo	,	-
a) 1924	c) 1926	
b) 1925	d) 1964	
3. Family of Maize is	-, -, -, -, -, -, -, -, -, -, -, -, -, -	
a) Poaceae	c) Fabaceae	
b) Gamineae	d) None of the above	ve
4. AICMIP is located in		
a) Hyderabad	c) Mumbai	
b) Delhi	d) SDAU	
5. HB1 is the first hybrid ofc		
a) Maize	c) Babul	
b) Wheat	d) Bajra	
6. Triticale is a new variety obtain by	combining the genome of a wheat	t with
a) Rice	c) Sorghum	
b) Rye	d) None of the above	ve
7is Improve Variety of wheat		
a) Lok-1	c) GW-503	
b) GW-496	d) All of the above	
8. Rice crop havingStamens.		
a) 4	c) 6	
b) 5	d) 7	
9.Cromosome number of Maize crop i	,	
a) 2n=24	<b>c</b> ) 2n=28	
b) 2n=20	d) 2n=54	
10. Main pulse research station is loca		
a) AAU	c) SDAU	
b) JAU	d) NAU	

<b>Q.2</b>	Do as Directed.	
•	. Define the following. (Any five)	(05)
	1. Tolerance	~ /
	2. Hybrid	
	3. Stamen	
	4. Pureline	
	5. Selfing	
	6. Genotype	
	7. PYT	
B.	. Answer the following. (Any Five)	(05)
	1. Briefly explains about staminate flower in Maize.	
	2. Enlist the methods of Breeding for asexually propagated crop.	
	3. Enlist the types of rice spikelets.	
	4. Briefly explain crossing techniques in Maize.	
	5. Briefly Describe the Pedigree method.	
	6. Enlist the improved Variety of Sugarcane.	
	7. Enlist the research station of Ground nut crop.	
Q.3	Write short notes. (Any five)	(15)
	1. Pure line selection	
	2. Crossing technique in Maize	
	3. Breeding population	
	4. Breeding objective of Rice	
	5. Biometric	
	6. Floral Biology of Wheat	
Q.4	Long Questions. (Any Three0	(15)
	1. Emasculation	
	2 Explain in detail: Breeding Population	

Breeding Methods
Floral Biology of rice