Enrollment No: Seat No:_

PARUL UNIVERSITY

FACULTY OF AGRICULTURE

B.Sc.(Hons.) Agriculture Winter 2019-20 Examination

Semester: 6 Date: 16-12-2019

Subject Code: 20101351 Time: 10:30 am to 01:00 pm

Subject Name: Field Crops -II (Rabi) **Total Marks: 60**

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- 1. All questions are compulsory.
- 2. Figures to the right indicate full marks.
- 4.

Make suitable assumptions wherever necess	ary.	
Start new question on new page.		
Q.1 Do as Directed.		
A. Fill in the blanks. (Each of 1.00 mark	as)	(10)
1. The cultivated species of whea	at <i>T. aestivum</i> having chromosome number	
2. Awn is the extended portion o	f	
3. The two crops and _	are responsible for green revolution in world.	
4. Lentil occupies as		
	eed and mustard is	
6. Origin of chick pea is		
7. The most critical stage for irri	gating the wheat crop is	
8. Scientific name of sunflower i		
9. Row to row spacing in wheat		
10. Scientific name of Nobel cane	-	
B. Multiple choice type questions. (Each of 1.00 mark)		
1. The dwarf gene present in wheat is/		
Norin-10	Dee-geo-woo-gen	
UZU	All of these	
2. The seed rte of wheat is		
a. 50 kg/ha	b. 100 kg/ha	
c. 80 kg/ha	d. 20 kg/ha	
3Species of wheat is growi	ing on 87% of total wheat growing area.	

a. T. aestivum b. T. durum c. T. dicoccum d. T. monococcum

4. Secondary roots are also called _____ in wheat. a. Permanent roots b. Clonal roots

c. Crown roots d. All of these 5. The sour taste of chickpea is due to presence of

a. Malic and Oxalic acid

c. Linoleic acid d. None of these **6.** Seed rate of normal sown chickpea is _____ ____ kg/ha. b. 20-30

a. 75-100

c. 50-60 d. 150-200

7. Critical stage for irrigation in pulses is/are ____

a. Pre flowering stage b. Pod development stage d. Both a and b

c. Tillering stage **8.** Head quarters of IIPR is located at ____

a. Kanpur UP b. Ludhiana, Punjab

d. Anand, Gujarat

c. Hyderabad, AP

9. The roots which nourishes the seedling growth are _____

b. Crown roots

c. Permanent roots d. Nodal roots

10. The inflorescence of sugarcane is called as _

b. Arrow a. Capitulum c. Siliqua d. None of these

Q.2 Do as Directed.

A. Define the following. (Any five)

1. Paira / Utera cropping

2. Nipping

b. Palmitic acid

(05)

	3.	Zero tillage	
	4.	Crop logging	
	5.	Intercropping	
	6.	Earthing up	
	7.	Mixed farming	
В.	Answe	r the following. (Any Five)	(05)
	1.	What is CRI?	
	2.	Root system in wheat	
	3.	Mention the soil types for wheat crop in India?	
	4.	What is chilling and freezing injury?	
	5.	Mention the different sowing methods used for sowing of wheat crop.	
	6.	Mention the research station related to sugarcane crop	
		Write the scientific name of the following crops 1. Barley	
		2. Field pea	
		3. French bean	
Q.3	Write s	short notes. (Any five)	(15)
	1.	Briefly explain the reasons for sugarcane cultivation on commercial scale in North India	
		even under unfavourable conditions.	
	2.	Differentiate between Desi and Kabuli chickpea?	
	3.	Write about the Climatic requirement, seed rate, variety and hybrids of sunflower	
		Briefly explain the botanical description and enlist the different species of sugarcane?	
	5.	Expand the following acronyms and write down their location.	
		1. CGIAR:	
		2. CYMMIT:	
		3. ICRISAT:	
		4. DWR:	
		5. IIOR:	
		6. SBI:	
	6.	Write the difference between rapeseed and mustard?	
0.4		ot any Three/Long Questions/Example	(15)
	1.		(-)
	2.	Write the classification of wheat based on different criteria?	
		Explain the cultivation practices of chick pea?	
		Briefly explain the different planting method of sugarcane?	