Seat No:			

Enrollment No:____

PARUL UNIVERSITY

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

Semester: IV Date: 07/03/2022

Subject Code: 20101252 Time: 10:30am to 1:00pm

Subject Name: Crop Production Technology-II (Rabi crops) Total Marks: 50

Instructions

- 1. All questions are compulsory.
- 2. Figures to the right indicate full marks.
- 3. Make suitable assumptions wherever necessary.
- 4. Start new question on new page.

Q.1	Do	as	Dir	ected.

-	o as Directed.			(05)
A. F .	ill in the blanks. (Each of 0.5 marks) The fruit type in mustard and rape so		(05)	
2.				
3.		_		
4. 5.	ε ,		ratio	
5. 6.			rano.	
7.				
	Refined oil of mustard is called			
9.			and	
). Harvesting of individual mature leav	-		·
	fultiple choice type questions. (Each		•	(10)
	is named as "pulse l			(10)
	A. Gujarat	C. Maharashtra		
	B. Madhya Pradesh	D. Punjab		
2	. Almost all rabi crops are	· ·	ture.	
_	A. Short day	C. Day neutral		
	B. Long day	D. None of above		
3	The inflorescence of wheat is called			
	A. Arrow	C. Spike		
	B. Panicle	D. Pod		
4	. The type of germination seen in alm	nost all pulses		
	A. Epigeal	C. Hypogeal		
	B. Photoblastic	D. All of these		
5	. Total food production of India in F	Y - 2020		
	A. 295.1 Million tons	C. 2831 kilo Grams		
	B. 28.31 Million tons	D. 2831 Quintal		
6	. The major weed found in wheat fie	ld is		
	A. Amaranthus viridis	C. Phalaris minor		
	B. Lantana camara	D. striga asiatica		
7	. Leading producer of wheat in India	·•		
	A. Punjab	C. Uttar Pradesh		
	B. Rajasthan	D. Gujarat		
8	. Nipping is practiced in	crops.		
	A. Wheat	C. Sugarcane		
	B. Rapeseed and mustard	D. Chick pea		

9.	Rajma is also called as	<u>_</u> .	
	A. Field pea	C. Dew bean	
	B. Beans	D. Kidney bean	
10.	Palmetic and stearic acids are an examples	for	
	A.MUFA	C. PUFA	
	B. Saturated Fatty Acids	D. All of the above	
11.	Rapeseed and mustard oils have	as an anti nutritional factor.	
	A. Erucic acid	C. Linolenic acid	
	B. Linamarin	D. Ricinin	
12.	"Awns" in wheat are the extended portion		
	A. Lemma	C. Pelea	
	B. Leaf sheath	D.Glumes	
13.	genes are responsible for	dwarfness in wheat.	
	A. Rht 1 and Rht 2	C. Dee -gee-woo-gen	
	B. Df 1 and Df 2	D. UZU	
14.	type of florets are helpfu		
	A. Ray florets	C. Disc florets	
	B. Central florets	D. All of the above	
15.	kg of malic and oxalic acids		
10.	chickpea?		
	A. 4 – 4.5	C. 40 - 50	
	B. 10 - 15	D. 20 - 25	
16	Scientific name of barley is		
10.	A. Hordeum vulgarae	C. Triticum aestivum	
	B. Avena sativa	D. Phalaris minor	
17	CRI stage of wheat is appearing in		
17.	A. 21-25 DAS	 C. 40-45 DAS	
	B. 60-65 DAS	D. 80-90 DAS	
18	The productivity of wheat is highest in		
10.	A. Tamilnadu	C. Karnataka	
	B. Kerala	D. Punjab	
10	is act as a limiting factor	3	
19.	A. Sink	C. Source	
	B. Roots	D. None of these	
20	method is most suital		
20.	A. Broadcasting		
		C. Drilling D. FIRB	
01 D-	B. Transplanting	D. FIRB	(05)
	as Directed.		(05)
	ine the following. (Any five)		
	Ideotype		
	Nipping		
3.	Topping		
4.	Trashing		
5.	Wrapping		
	Pre Plant Incorporation herbicides		
7.	Harvesting Index		

B Answer the following. (Any Five) (05)1. Late sowing wheat requires 25% extra seed rate as compare to normal seed rate. Justify? 2. What is New generation seeders? 3. Which genes are used for development of semi dwarf wheat and rice varieties? 4. Root system of wheat plant. 5. Asymptotic and parabolic curve of dry matter and plant population. 6. Which are the most critical stages for moisture stress in chickpea? 7. Give reason: Duration of chickpea is less in South India as compare to north India. Q.3 Write short notes. (Any five) (10)1. Write the difference between Desi and Kabuli chickpea. 2. Briefly explain the different sowing methods of wheat. 3. Give family and botanical name for following crops A. Sun flower C. Field pea B. Barley D. Potato 4. Write the full form of following acronyms and location where it is necessary. A. IIWBR C. DOR B. ICRISAT D. FIRB 5. Enlist the important features of NPT_s of cereals. 6. Differentiate the rapeseed and Mustard? Q.4 Attempt any Three/Long Questions/Example **(15)** 1. Describe the crop production technology for chickpea. 2. Describe the crop production technology for wheat. 3. Write the different species, sowing time, planting techniques, seed rate, and yield of sugarcane.

4. Classify the wheat based on different criteria.