

GIET UNIVERSITY, GUNUPUR – 765022

RN19BSCAG008

	Registration No:		
Total Numbe	r of Pages : 2	AR-2017	B.Sc (AG)
	4 th SEME	STER REGULAR EXAMINATION-NOV-2019	
		AG-245	
		Production Technology-II (Rabi crops)	
Time	e : 2 Hours	I	Maximum : 50 Marks
	(.	Answer all questions of Section – A)	
		<u>SECTION – A</u>	
Q.1	Fill up the Blanks with suit	table and meaningful word(s):	$[10 \ge 0.5 = 5]$
a The scientific name of common bread wheat is			
a	The scientific name of common bread wheat is		
b	The most critical stages of irrigation in chickpea areand		
с	The planting material of sugarcane is		
d	The ideal temperature for germination of pea is		
e	Canola type rapeseed-mustard oil contains% erusic acid.		
f	Zinc deficiency in potato causes		
g	is a problematic weed of berseem.		
h	is know		
i	The sour taste of chickpea		
j	The anti-nutritional factor	in sunflower is	
· · ·			
Q.2.	$[5 \times 1 = 5]$		
	a) Crown root initiation	n stage	
	b) Carthamine		
c) Sinigrin			
d) True potato seed			
	e) Stubble shaving ope	ration	
Q.3.	Match the following		[10 x 0.5 = 5]
a) N	ipping	1) 10% salt solution	
	rix value	2) Hot air)	
c) Chichory seed 3		3) Bharatpur	
d) D	ourum wheat	4) Oat	
e) R	apeseed-mustard	5) Chickpea	
	liqua	6) Sugarcane	
,	ull-less barley	7) Heat tolerant	
-	ed rot disease	8) Naked type	
i) Ke		9) Mustard	
,	nmer wheat	10) Central India)	



GIET UNIVERSITY, GUNUPUR – 765022

RN19BSCAG008

Q.4. Write TRUE or FALSE against the following statements $[10 \times 0.5 = 5]$.

a) The most critical stage for moisture stress in wheat is milking stage._____

b) Barley can tolerate alkali soil condition.

c) Potato tuber is a modified root._____

d) 2,4-D is used to control Phalaris minor._____

e) Berseem is rich in protein and low in carbohydrates._____

f) The duration of Adsali sugarcane crop is 12 months._____

g) Rhizobium strain required for seed inoculation of berseem is Rhizobium meliloti._____

h) Thinning in rapeseed-mustard is done at 15-20 days after sowing._____

i) The unsaturated fatty acid linoleic acid content in sunflower is 50-60%._____.

j) Sugarcane Breeding Institute is located at Lucknow._____

SECTION – B: (Short Answer Questions)

(Attempt any five questions. Each question carries equal marks) $[5 \times 6 = 30]$

- Q.5 What are the major constraints in *rabi* pulse production in Odisha? Write down the strategies to increase *rabi* pulse production in rice-fallows.
- Q.6 Write down the different *Brassica* species cultivated in our country and differentiate between *toria* and mustard.
- Q.7 Briefly explain the nutrient, water and weed management in wheat crop.
- Q.8 Write down the major constraints in linseed production under *utera* cropping. Discuss the nutrient management practices for higher productivity of linseed under *utera* cropping.
- Q.9 Briefly explain the principles that govern sustainable sugarcane initiative method? Differentiate between conventional and SSI method of planting?
- Q.10 Write down the importance of fodder in Indian Agriculture. Briefly describe the soil, climate and fertilizer requirement of oats.

---End of Paper---