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## B.Sc. (Part-I) Semester-II Examination

## SEED TECHNOLOGY (Voc.)

## (Plant Breeding Methods for Crop Improvement and Seed Production)

	2122		•			· ·	
Time: T	hree	Hour	s]		1]	Maximum Marks: 80	
Note :	(1)	There	There are seven questions in all.				
	(2)	Question No. 1 is compulsory and carries 8 marks.					
	(3)	Question Nos. 2 to 7 carry equal marks.					
	(4)	Draw	Draw well labelled diagrams wherever necessary.				
1. (A)	Fill	in the blanks:					
	(i)		When two alleles for a trait received from the parents are different the organism is said to be for this trait.				
	(ii)	Head	quarter of NBPGR is			1/2	
	(iii)	selection has been commonly used breeding scheme applied to genetically variable and homozygous population of self pollinated crops. \( \frac{1}{2} \)					
	(iv)		chromosomes are present or	miss	ing in the cell; such	ch condition is known	
(B)	Choose the correct alternative (MCQ):						
	(v)		Individuals which contain two different chromosomes in triplicate instead of two times $(2N + 1 + 1)$ are called as $\frac{1}{2}$				
		(a)	Double trisomics	(b)	Double tetrasomic		
		(c)	Double pentasomic	(d)	Diploids		
	(vi)	4	originates spontaneously	at a	low frequency.	1/2	
		(a)	Diploid	(b)	Aneuploid		
		(c)	Both.	(d)	None		
	(vii	i) When endospore development is, the condition is generally known endosperm abortion.					3
		(a)	Maximum	(b)	Neutral		
		(c)	Poor	(d)	None		
	(viii) Relative humidity affects seed content because seeds are hygroscopic.						
		(a)	Heat	(b)	Air		
		(c)	Soil	(d)	Moisture		

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(f) Roughing in wheat.

4

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