MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END EXAMINATION

B.Sc. (Agri.)

									2011 12
Semester			I (New)		Term		I		Academic Year : 2011-12
Course N	0.		OT 233		Title	:	Princ	iples (of Plant Breeding
Credits			(2+1)						0 Total Marks : 80
Day & Da	ate	: V	Vednesday, 21.09.20	11	Time	:	9.00 t	o 12.0	() Total Marks : 60
Note: 1. Solve ANY EIGHT questions from SECTION "A". 2. All questions from SECTION "B" are compulsory.									
		2. 3.	All questions from			re (compu	sory.	
		4.	Draw neat diagram			sary			
SECTION "A"									
Q.1 Discuss in short the General objectives of plant breeding.									
Q.2	Define male sterility. Explain in detail different types of male sterility.								
Q.3 V	Write a detail note on incompitability.								
Q.4 Define mutation. Explain causes and characteristics of mutation. Give the types of									
r	mutat	tion	with examples.						
Q.5 Y	Write the history of plant breeding.								
Q.6									
Q.7 Define pollination and describe different modes of pollination.									
Q.8 Define heterosis and explain different theories of heterosis.									
Q.9 Write short notes on the following.									
a) Sythetic varieties b) Composite varieties									
Q.10 Define polyploidy and describe different types of polyploidy.									
					SECTION	"B	"		
Q.11 Fill in the blanks.									
 Progeny of a single plant obtained by asexual reproduction is known as 									
2) The processy of a clone is genetically									
3) Accumulation of desirable alleles in a population through various breeding									
techniques is known as 4) Sudden and heritable change in the characteristics of the plant is called as									
	5)	Ger	netically similar por	oulati	ion is know	n as			_ population.
5) Genetically similar population is known as population. 6) There are two of plant introductions and introduction.									
refers to the homogeneous progerly of a sen pointage near y									
8) refers to the nonegeneous 1 to an individual selected plant.									
Q.12	De		the following terms						
<u></u>			licro mutations		Polyploids			3)	Distant hybridization
	4		ackeross		Plant introd			6)	Acclimatization
	7) P	ureline selection		Mass select				
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