MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARS MUNE SEMESTER END EXAMINATION

		Term : II Academic Year : 2018-19
Semester Course No	: II (New) . : H/BOT 123	Term 1 22
Credits	: 3 (2+1)	Title : Principles of Plant Breeding
Day & Da		Time : 09.00 to 12.00 Total Marks : 80
Not	e: 1. Solve ANY EIGHT qui 2. All questions from SEC 3. All questions carry equa 4. Draw neat diagrams wh	estions from SECTION "A". TION "B" are compulsory. al marks. erever necessary.
		SECTION "A"
Q.1 Er pr	nlist the different methods of brocedure of pure line selection.	reedings used in self pollinated crops and describe
Q.2 D	efine heterosis. Describe main	features of heterosis.
Q.3 a)		
b		
Q.4 D	efine plant breeding. Describe	achievements of plant breeding.
Q.5 D	efine male sterility. Enlist its ty	ypes and describe cytoplasmic genetic male sterility.
Q.6 E	xplain in brief.	
) Types of heritability	b) Modes of pollination
iı	ncompatibility.	e its classification and describe utilization of self
Q.8 V	What is sporogenesis? Describe process of microsporogenesis and microgametogenesis	
Q.9 V	Vrite short notes (Any Two).	
a		
b) Vertical and horizontal resis	stance
c		
Q.10 V	What is hybridization? Describe	its types and objectives of hybridization.
		SECTION "B"
Q.11 D	efine the following terms.	
1) Domestication	2) Mutation
3) Dichogamy	4) Pure line
5) Protogyny	6) Back cross
7	Pollination	8) Cleistogamy
		(P.T.O.)

Telegram - AgroMind

- Q.12 Fill in the blanks.
 - 1) An individual with one pair of chromosome less than the normal somatic chromosome number is known as ______.
 - The parent one time used in back cross is called ______.
 - Removal of male reproductive organ from bisexual flower is called_
 - 4) The union of male and female gametes is called _____
 - 5) Average heterosis is also called _____.
 - 6) ______ type of male sterility is unstable.
 - 7) The term mutation was first coined by _____.
 - 8) Maturation of male and female reproductive organs at the same time is known as

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