MAHARASHTRA AGRICULTURAL UNIVERSITIES EXAMINATION BOARD, PUNE SEMESTER END EXAMINATION

	B.Sc	c. (Hons.) Horticulture
Semester Course No. Credits Day & Date Note:	1. Solve ANY EIGHT qu	Term: I Academic Year: 2019-20 Title: Breeding of Vegetables, Tuber and Spice Crops Time: 14.00 to 17.00 Total Marks: 80 uestions from SECTION "A" Folive, Course of Horticulture
	 All questions from SEC All questions carry equ Draw neat diagrams wh 	CTION "B" are compulsory. AMRAVATI Library Department herever necessary.
		SECTION "A"
Q.1 Desc polli	cribe in brief mode of rep mation in vegetable crops wi	production. Explain mechanisms that facilitate self with suitable examples.
Q.2 Enli	st breeding objectives in cloped by selection and hybr	brinjal. Enlist the improved varieties of brinjal ridization.
Q.3 Enli	st various breeding methods	s used in vegetable crops and discuss the bulk method.
Q.4 Give	e the objectives of breeding	in following vegetable crops (Any Two).
•	nion	b) Cucumber
	omato	
gu.		n brief the steps involved in it.
		e the causes of genetic erosion?
3-1	Define male sterility. Enlist its different types and explain in brief genetic male sterility	
Q.8 Give	e the biotechnological appro	paches and their importance in vegetable improvement.
•	Write in brief types of mutation on the basis of origin, state example of mutagens and general characteristics of mutation.	
Q.10 Writ	te short notes (Any Two).	
	situ conservation eterosis	b) Polyploidy
		SECTION "B"
Q.11 Defi	ine the following terms.	
	Germplasm	2) Stability
	ynomonoecious	4) Apogamy
5) B	Backcross	6) Geitonogamy
7) D	Dichogamy	8) Self incompatibility (P.T.O.)

- Q.12 State True or False.
 - 1) Arkel is an introduced variety of pea from England.
 - 2) Rio de Janeiro is cultivar of ginger.
 - 3) Spinach is cross pollinated vegetables.
 - 4) Afghanistan is primary centre of genetic diversity of carrot.
 - 5) Protandry is observed in cabbage.
 - 6) Bottle gourd is dioecious annual vegetables.
 - 7) Okra is self pollinated vegetable crop.
 - 8) The head quarter of IIVR is located at New Delhi.

