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B.Sc. Part-II (Semester-III) Examination SEED TECHNOLOGY (VOC)

(Hybrid Seed Production and Vegetable Seed Production)

Time : T	hree	e Hours] [Maximum Marl	cs : 80
		ALL questions are compulsory.	
	(2)	_	
1. (A)	Fill	l in the blanks:	
	(i)	A flower without Pedicel is called	1/2
	(ii)	Asexual reproduction in plants is called .	1/2
	(iii)) Tomato is normally pollinated.	1/2
) Pollen tube enters into the ovules through micropyle; this is	
	` '	as	1/2
(B)	Cho	oose the correct alternatives (MCQ):	
	(v)	When pollination is brought by animals, it is called:	1/2
¥.		(a) Ornithophilly (b) Zoophilly	
		(c) Chiropterophilly (d) None of these	
	(vi)) is a root crop.	1/2
	(-/	(a) Spinach (b) Carrot	
		(c) Cabbage (d) None	
	(vii	i) Seed with two cotyledons is called:	1/2
	(111)		/2
		(a) Monocotyledon (b) Dicotyledon	
	, ···	(c) Both (d) None	12
	(VIII	ii) is an example of simple dry dehiscent fruit.	1/2
		(a) Mango (b) Custard Apple	
		(c) Pea (d) Coconut	
(C)	Ans	nswer in ONE sentence each :	
	(ix)	Define apomixes.	1
	(x)	What is polyembryony ?	1
	(xi)	What is fertilization ?	1
	(xii	ii) What is male sterility?	1

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	(a)	Genetic male sterility in Brinjal.	3			
	(b)	Female gamete formation.	3			
	(c)	Objectives of vegetative breeding.	3			
	(d)	Flowering habits in spinach.	3			
OR						
	(p)	Apomixis in crop improvement.	3			
	(q)	Male sterility in Tomato.	3			
	(r)	Production of artificial seeds.	3			
	(s)	Flowering habits in cucurbits.	3			
5.	Def	ine clonal selection. Explain in detail the method of collection of clones.	12			
OR						
	Des	cribe in brief pollination methods in vegetables.	12			
7.	Dis	cuss methods of seed production planting cultural practices, breeding methods and	l seed			
	prod	duction process in Spinach and Trigonella.	12			
OR						
	Discuss land requirement, seedling production, breeding methods and harvesting process in					
	Ton	nato.	12			

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