	(q) Simple dehiscent fruits.	4	, !	AR - 485
	(r) Polyembryony.	4		First Semester B. Sc. (Part - I) Examination
			!	SEED TECHNOLOGY (Vocational)
3.	Describe in brief breakdown of different seestorage products during process of germination			(Seed Development, Seed Physiology and Introduction to Plant Breeding) P. Pages: 6
	OR		· !	Time: Three Hours] [Max. Marks: 80
	What is germination? Describe types of germination and seedling abnormalities in monococrop species.			Note: (1) All questions are compulsory. (2) Draw well labelled diagrams wherever necessary.
			1	
4.	Comment on:			1. (A) Fill in the blanks of the following:—
	(a) Stimulators of germination.	4		(i) When pollination is carried out by insects it is called $\frac{1}{2}$
	(b) Hard seededness.	4	I	(ii) The main function of is
	(c) Enzymes involved during germination.	4		protective in nature. $\frac{1}{2}$
	OR		1	(iii) For the purpose of some seed shows development of hairy out growth.
	(p) Seed inhibitors.	4		$\frac{1}{2}$
	(q) Breaking of seed dormancy.	4		(iv) Seeds having germinate vigorously.
	(r) Importance of seed deterioration in storage	e.		
		4		

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(b)	Cho		the correct alternat					(viii)Self incompatibility means	
	(v)	fruit	is a simple t.	e, dry dehiscent				set seed from application of polle produced on the same plant.	
		(a)	Siliqua		,			(a) Ability	
	4	(b)	Capsule					(b) Inability	
		(c)	Legume					(c) Both	
		·(d)	Follicle	$\frac{1}{2}$		•		(d) None	$\frac{1}{2}$
	(vi)	In p	phenol colour reacti	on sonora wheat	•		(c)	Answer in one sentence:	
		vari	ety indicate	colour.				(ix) What is inhibitor ?	1
		(a)	Dark black					(x) What is Apomixis?	1
		(b)	Black					(xi) What is pollination ?	1
		(c)	Brown	:				(xii) What is Polyembryony?	1
		(d)	Light brown	$\frac{1}{2}$.*	
	(vii)	The seedling which shows the capacity			2. (Comr	ment on:		
		for o	continued developm t.	ent into		. ((a)	GA3 test.	4
		(a)	Abnormal		4	((b)	Seed texture.	4
		(b)	Normal			((c)	Electrophoresis.	4
		(c)	Both	•			÷	OR	
		(d)	None	$\frac{1}{2}$			(p)	Importance of physiological maturity of seed	s. 4
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5.		at is seed vigour? Describe measurements vigour.	of 12
		OR	
	Exp	lain :-	
	(a)	Significance of micropropagation technique	ies.
	(b)	Treatments to minimize seed ageing.	6
6.	Con	nment on :-	
	(a)	Megasporangium.	, 4
•	(b)	Variety descriptors.	4
	(c)	Grow out test in cotton.	4
		OR	
	(p)	Development of male gametophyte.	4
1	(q)	DUS system.	4
	(r)	Importance of morphological characters	for

7.	Comment	on
	CANALATARA	~

Cytoplasmic sterility. (a) Double fertilization. (b) Chemical hybridizing agents. (c)

	OR		
(p)	Self incompatibility.		4
(q)	Self pollination.		4
(m)	Structure of flower		4