B.Sc. (Part—II) Semester—IV Examination SEED TECHNOLOGY

(Vocational)

(Seed Testing and Seed Quality Control)

			(Seed Testing and	secu Qua	my Comion,			
Time: T	hree	Hou	rs]		[Maximum Marks : 80			
Note :-	-(1)	All	questions are compulsory.					
	(2) Draw well labelled diagrams wherever necessary.							
1. (A)	Fill	in th	ne blanks :					
	(i)	See	d certification agency should	d be	work. ½			
	(ii)	Gen	mination is the emergence and	d developm	nent of a seedling from the seed			
					1/2			
	(iii)	San	ipling of seed lots from bin	s is done	by ½			
	(iv)		d inspection meant to verify he purity of seed.	those facto	ors which can cause irreversible damage ½			
(B)	Cho	ose	the appropriate alternative :					
	(i)	The leve		vigour test	is to differentiate a range of			
		(a)	Quantity	(b)	Quality			
		(c)	Both of them	(d)	None from these			
	(ii)	Cen	tral seed testing laboratory	is situated	at ½			
		(a)	New Delhi	(b)	Nagpur			
		(c)	Madras	(d)	Kolkata			
	(iii)	Wh	ich class of certified seed m	naintain sa	tisfactory genetic purity of variety. 1/2			
		(a)	Breeder seed	(b)	Foundation seed			
		(c)	Registered seed	(d)	None			
	(iv)		method is suitable fo	or all kind:	s of seed. ½			
		(a)	Mechanical divider	(b)	Random cup method			
		(c)	Spoon method	(d)	None			
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officer? (iii) What is meant by NBPGR? (iv) Give the right of farmer. 2. Explain in brief: (a) Equipments and maintenance of seed testing. (b) Seed testing linkages. (c) Role of Inter-National Organizations in seed testing. OR (d) Seed Sampling and Dividing. (e) Handling and testing of the sample. (f) Requirements of Seedling evaluation. 3. Discuss in detail various processes involved in Seed Testing and mention precautions during Seed Testing. OR Discuss Seed Act in relation to Seed Testing and mention its marketing process. 4. Describe in brief — (g) Seed Legislation. (h) Qualification of Seed Inspector. (i) Genetic purity of Seeds. OR (j) Physical purity of Seeds. OR (j) Physical purity of Seeds. Seed Quality Control Systems. 5. Explain in brief	(ii) Which seed samples are drawn and submitted by a seed law enforcement officer offi		(C)	Answer in ONE sentence :—	
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	(p) Techniques of Field Inspection.	4
	(q) History of Seed Certification.	4
	(r) Seed Certification Standards.	4
6.	Discuss in brief:	
	(a) Techniques of field inspection of Seed Production.	6
	(b) New Seed Policy 1988.	6
	OR	
	(p) Sampling for Seed Quality evaluation.	6
	(q) Revalidation of Seed lots.	6
7.	Explain in brief:—	
	(s) Future trends in Seed Certification.	4
	(t) Plant Breeders Right.	4
	(u) State Seed Committee.	4
	OR	
	(v) Central Sub-committee on Crop Standard.	4
	(w) Organization of Electronic Cooperation and Development [OECD].	4
	(x) Seed Certification Schemes.	4

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