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

				(Seed Testing and Seed	Qua	llity Control)				
Time : Three Hours]						[Maximum Marks: 80				
	Not	e :	-(1)	All questions are compulsory.						
			(2)	Draw well labelled diagrams when	rever	necessary.				
1.	(A)	Fill	Fill in the blanks:							
		(i)	is quality control system, whereby seeds and propagating materials are maintained at high level of genetic purity.							
		(ii)		elling for mercurials and other toxic s layed in red colour.	ubsta	inces, use the caution pron	ninently			
		(iii)		is the emergence and develo	opme	ent of a seedling from the seed em	ibryo.			
		(iv)		components examined in purity and matter.	alysis	s are, seeds of other spec	cies and			
	(B)	Cho	hoose the appropriate alternative:							
		(i)	App	lication procedure for seed certific	needed					
			(a)	Variety and class of seed planted	(b)	Size and location of field				
			(c)	Previous field cropping history	(d)	All of this	1/2			
		(ii)	The	Act describes minimum	stan	dards for seed quality.				
			(a)	Fruit	(b)	Flower				
			(c)	Seed	(d)	None	1/2			
		(iii)	lowing defects are grouped into ab	normal						
			(a)	Damaged seedling	(b)	Deformed seedling				
			(c)	Decayed seedling	(d)	All of above	1/2			
VTM-	133	93		1			(Contd.)			

www.sgbauonline.com

		(iv)		n accordance with the ISTA rules minimum number of				seeds is required for	
			(a)	400		(b)	800	1	
			(c)	100		(d)	600		1/2
	(C)	Ans		in one sentence		(-)			, <u>.</u>
	(-)	(i)		at is mean by O				•	1
		(ii)		•	tivar to obtain ma	ximur	n yiel	ld ?	I
		(iii)		at is Routine test			•		1
		` ,			se of seed legislat	ion ?			1
2.	Exp	lain i			J				
	(a)								4
	(b)			testing.					4
	(c)			evaluation.					4
					OR				
	(d)	Phys	sical	purity analysis.					4
	(e)	Gen	ninat	tion testing.					4
-	(f)	Seed	l test	ing equipments.					4
3.	Des	cribe	in de	etail seed testing	in relation to See	d Act	and i	marketing.	12
-7000					OR				
	Exp	lain i	ı brie	ef:					
	(a)	Seed	l vigo	our testing.				,	6
	(b)	Cult	ure p	urity testing.					6
4.	Des	cribe	in br	rief :					
	(g)	Seed	l qual	lity.					4
	(h)	Seed	legi	slation.					4
	(i)	Gen	etic p	ourity.					4
					OR				
VTM	1339	93			2				(Contd.)

www.sgbauonline.com

	(j)	Physical purity.	4				
	(k)	Concept of variety variation.	4				
	(l)	Seed certification.	4				
5.	Explain in brief:						
	(m)	n) History of seed certification.					
	(n)	Principles of field inspection.	. 4				
	(o)) Importance of Isolation distance.					
		OR					
	(p)	Seed certification standards.	4				
	(q)	Phases of seed certification.	4				
	(r)	Land requirements.	4				
6.	Des	cribe in brief inspection at harvesting, threshing and processing of seeds.	12				
		OR					
	Des	cribe in detail :					
	(p)	Sampling for seed quality evaluation.	6				
	(q)	New Seed Policy (1988) provisional seed certification.	6				
7.	Describe in brief:						
	(s)	OECD.	4				
	(t)	Plant breeders right.	4				
	(u)	Central Seed Certification Board.	4				
		OR					
٠	(v)	International seed certification.	4				
	(w)	Function of Central Seed Committee.	4				
	(x)	Future trends in seed certification.	4				

www.sgbauonline.com