			o.oc. (ran—ii) oc			
				ECHNOL	JGY	
			,	ocational)	ality Cantual)	
Time : T	hrou	Цанг	(Seed Testing and	ı Seed Qu	•	rela i 90
Time : T			>] -(1) ALL questions are co	mnulsany	Maximum Ma	IKS : 80
	1101		•		oravar ngasecom:	
1 / / / /	T:11	in th	(2) Draw well labelled di	agiams wit	erever necessary.	
1. (A)		l in the blanks:				
			removal of moisture from			1/2
	(ii)		main objective of is		n the seed in good health.	1/2
			ietal purity is known as			1/2
					d designated by a proper number.	1/2
(B)	Choose the appropriate alternative :—					
	(1)		has maximum genetic pu			
		,	Nucleus seed		Breeders seeds	
		`	Certified seeds	(d)	None	1/2
	(ii)	Het	erogeneity means			
		(a)	Variation in growth lot	(b)	Similarity in seed lot	
		(c)	Variation in seed lot	(d)	None	V2
	(iii) The main objective of seed certification is to make available				to make available	
		(a)	Certify grain	(b)	Ordinary seeds	
		(c)	Certified seeds	(d)	None	V_2
	(iv)	Sec	d testing means the science	of evaluati	ng the planting quality of seed	it is
		sow	n.			
		(a)	After	(p)	Before	
		(c)	Both (a) and (b)	(d)	None	1/2
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	(C)	Answer in one sentence:			
	(0)	(i) What is Seed quality?	1		
		(ii) What is normal Seedling?			
		(iii) What is Seed Act ?	1		
		(iv) What is Seed Vigour?	1		
2.	Ext	plain in brief:			
	(a)		6		
		Layout of Seed testing laboratory and its maintenance.	6		
		OR			
	(c)	Requirements of Seedling evaluation.	6		
	(d)	Requirements of Germination testing.	6		
3.	Exp	Explain in brief:-			
	(a)	Seed Vigour testing.	4		
	(b)	Record Keeping.	.1		
	(c)	Seed Act and marketing.	-1		
		OR			
	(d)	Storage of guard samples.	+		
	(0)	Rapid Test.	4		
	(f)	Culture Purity Testing.	4		
4.	Des	scribe in brief :-			
	(g)	Objectives of Indian Seed Act.	4		
	(h)	Concept of variety variation.	4		
	(1)	Seed certification	4		
		OR			
	(j)	Concept of Seed Quality.	4		
	(k)	Heritable and non-heritable characters.	4		
	(1)	Responsibilities of Seed Inspector.	4		
5.		cuss in detail concept and history of Seed Certification and mention the differ d Certification.	ent phases of 12		
		OR			
	Disc	cuss in brief:—			
	(a)	Principles of field inspection.			
	(b)	Organisation and Agencies of Seed Certification.	6		
UNV	V —273	·	6		
		~	(Contd.)		

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6.	Explain in brief:—				
	(m)	Techniques of field inspection of pulses.	4		
	(n)	Inter-State Seed Certification.	4		
	(0)	Revalidation of Seed lots.	4		
		OR			
	(p)	Sampling for Seed Quality evaluation.	4		
	(q)	Seed production plots for vegetables.	4		
	(r)	Issue of certificates and tag scaling.	4		
7.	Exp				
	(s)	Management of seed certification programme.	4		
	(t)	OECD	4		
	(u)	Seed Quality Control Organization in India.	4		
		OR			
	(v)	State Sced Committee.	4		
	(w)	Plant variety production.	4		
	(x)	International seed certification.	4		

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