B.Sc. (Part—III) Semester-V Examination SEED TECHNOLOGY

(Seed Pathology and Seed Entomology)

Time : Th	ree	Hou	ars]			[Maximum	Marks: 80			
Note :((1)	All (questions are compulsory	•						
			w well labelled diagrams		SS	ary.				
1. (A) I	Fill i	in th	ne blanks of the following	g :						
(Inter	endemic and							
(. ,	The foot pump equipment is used to dust calcium cyanide into rod burrows, on exposure emerges a poisonous fume.								
(Bact of _	d seeds to healthy one	s at the time						
(Red infed	ants to viral							
(B) (Choo	noose correct alternatives :								
((v)	The speed of germination of inoculum and its entry into the host are very maffected by the amount of available.								
		(a)	Heat	(b))	Moisture				
		(c)	Temperature	(d))	Air	1/2			
((vi)		_ acid is most common o	hemical useful i	n	storing moist grain fe	or a year.			
		(a)	Hydrochloric	(b))	Nitric				
		(c)	Propionic	(d))	Sulphuric	1/2			
1	(vii)	The	toxicity of a dust formu	lation increases	as	s the particle size	·			
		(a)	Neutral	(b))	Decreases				
		(c)	Increases	(d))	None	1/2			
	(viii)	riii) Which of the insect pest attack over sorghum?								
		(a)	Phadka grasshopper	(b))	Shoot fly				
		(c)	Sawfly	(d))	Plume moth	1/2			
(C)	(ix)	Wh	at is meant by crop rotati	ion ?			1			
	(x)	Wh	at is meant by IPM strate	gies ?			1			
	(xi)	Wh	1							
	(xii)) Def		1						
			nt by storage fungi? Give ealth.	e detail account o	of	impact of storage fun	gi on animal 12			
				OR						
Com	men	t on	:							
(a)	Med	Mechanisms of seed transmission.					6			
(b)	Seed	d bo	orne viral diseases and its	pathological ef	fe	ects.	6			
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3.	Disc	cuss:	
	(p)	Procedure of sampling for seed health testing.	6
	(q)		6
		OR	
	Exp	lain in detail influence of environmental factors on seed borne diseases.	12
4.		nment on :	
	(a)	Methods of detecting test for seed borne plant viruses.	4
	(b)	International cooperation in seed pathology.	4
	(c)	Seed certification.	4
		OR	
	(p)	Field inspection.	4
	(q)	Seed tolerance limits of seed borne pathogens.	4
	(r)	Seed act in relation to seed borne diseases.	4
5.	Con	nment on:	
	(a)	Life cycle of insect.	4
	(b)	Important pests of Maize.	4
	(c)	Damage and management of insect pests of paddy.	4
		OR	
	(p)	Eccnomic entomology.	4
	(q)	Body structure of insect.	4
	(r)	Important pests of mustard.	4
6.	Cor	nment on :	
	(a)	Role of insect in seed production.	4
	(b)	Mechanical method of insect control.	4
	(c)	Insecticide formulations.	4
		OR	
	(p)	Safe application of posticides.	4
	(q)	Physical method of insect control.	4
	(r)	Social structure of honey bees.	4
7.	Cor	mment on:	
	(a)	Methods of fumigation.	4
	(b)	Definition and principles of Integrated Pest Management.	4
	(c)	Types of insect pests in storage.	4
		OR	
	(p)	Seed protectants and its impact on seed viability.	4
	(q)	Plant protection equipments (any two).	4
	(r)	Maintenance of seed godowns.	4