Test Booklet	No
I CST DOOMICE	110.

This booklet consists of 150 questions and 20 pages.

RGUPET/2025/1004/111

RGUPET 2025 Common Entrance Test, 2025 DOCTOR OF PHILOSOPHY IN PLANT PATHOLOGY

Full Marks:	150						Time: 3 Hours
Roll No.							
Day and Dat	e of I	Exam	ninat	ion:			
Signature of	Invig	gilato	or(s)		 	 	<u> </u>
Signature of	Cano	lidate	e		 		
General Inst	ructio	ons:					

PLEASE READ ALL THE INSTRUCTIONS CAREFULLY BEFORE MAKING ANY ENTRY.

- 1. DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO.
- 2. Candidate must write his/her Roll Number on the space provided.
- 3. This Test Booklet contains 150 Multiple Choice Questions (MCQs) from the concerned subject. Each question carries 1 mark.
- 4. Please check the Test Booklet to verify that the total pages and total number of questions contained in the test booklet are the same as those printed on the top of the first page. Also check whether the questions are in sequential order or not.
- 5. Candidates are not permitted to enter into the examination hall after the commencement of the entrance test or leave the examination hall before completion of Examination.
- 6. Making any identification mark in the OMR Answer Sheet or writing Roll Number anywhere other than the specified places will lead to disqualification of the candidate.
- 7. Candidates shall maintain silence inside and outside the examination hall. If candidates are found violating the instructions mentioned herein or announced in the examination hall, they will be summarily disqualified from the entrance test.
- 8. In case of any dispute, the decision of the Entrance Test Committee shall be final and binding.
- 9. The OMR Answer Sheet consists of two copies, the Original copy and the Student's copy.

1	The "Mission S India, primarily	development of a multilayered air and missile defence system					
	a) a national renewable energy mission	b) a national digital currency mission	c) development of a multilayered air and missile defence system	d) a national mission to modernise Indian Railways	(c)		
2		ational mission being im ombay is related to the de	plemented by the Indian	Institute of	Drone		
	a) Helicopters	b) Dairy technology	c) Drone technology	d) Artificial intelligence	c)		
3	North East India proposed to con		nel project, announced in	2024, is	Numaligarh and Gohpur		
	a) Dibrugarh and Dhemaji	b) Jorhat and Majuli	c) Numaligarh and Gohpur	d) Guwahati and North Guwahati	c)		
4	A. Canada B. Four pla C. Sweden	was ranked first in Glob on Sindoor was Launche		4.	(a)		
	a) A, B and D	b) A,B and C	c) Only A	d) All of the above	A, B and D		
5	A. Lip Buta B. Shri C P India C. India's ra 99 D. India ha	(d)					
	a) A and B only	b) A, B and C only	c) A, C and D only	d) A, B, D only	A, B, D only		
6	Which of the fo A. Palk Strait jo B. The Radcliff C. The MacMol	ollowing sentences is falso oins India and Sri Lanka te Line is between India than Line separates India Line is between Iran and	and Bangladesh and China				
	a) A, B	b) B, C	c) C, D	d) B, D	(d) A and R are		
7		Assertion (A): Eclipses do not occur on all full moon and new moon days. Reason (R): The moon revolves round the earth in an elliptical orbit.					

					doesnot explain A		
	a) A and R are true and R correctly explains A.	b) A and R are true but R does not explain A.	c) A is true R is false	d) R is true but A is false	(b)		
8	Right to equalit	y is a-			Fundamental right		
	a) fundamental right	b) social right	c) cultural right	d) legal right	(a)		
9		ne book "Midnight's	Children" is-		Salman Rushdie		
10	a) Shakespeare Match the organ	b) Leo Tolostoy nizations with their h	c) Salman Rushdie neadquarters:	d) R K Narayan	(c)		
	A. UNESCO B. WHO C. UNICEF D. IMF	3	. New York . Paris . Geneva . Washington D.C.				
	a) A-3, B-2, C-4, D-1	b) A-2, B-3, C-1, D-4	Č	- d) A-1, B-3, C-2, D-4	(b)		
11	He said, "Happ		pove is-	102,0	He wished me a happy new year.		
12	a) He said the new year was happy new year. Identify the correct sentence(s) from the following. A. One of my friends is a doctor. B. I don't know nothing about her. C. It is a two-hour journey.						
	a) A, B	b) B, C	yesterday's programme.	d) C, D	(c)		
13		milk that in the blank is-	was there in the flask." Th	e appropriate	little		
14	a) all b) little c) sour d) few 4 "a/ great /and/ reality/their/ theory/in/there/ disparity/is" The correct reordered meaningful sentence with the above jumbled words/phrases is- P. There is a great theory and their reality in disparity. Q. There is a great disparity in their theory and reality. R. Their great disparity is in a theory and reality there. S. Their great theory is a reality and in disparity there.						
	a) P	b) Q	c) R	d) S	(b)		
15	The correct mat	tch of synonyms and	antonyms is:	I	A-ii, B-iii,		

						C-i, D-iv
	A. Futile		i. He	lp		
	B. Generic		ii. Ef	fective		
	C. Hinder		iii. Ir	ndividual		
	D. Inception		iv. Te	ermination		
	a) A-i, B-ii, C- iii, D-iv	b) A-iii, B-ii, C-i D-iii	iv,	c) A-iv, B-iii, C-i, D-ii	d) A-ii, B-iii, C-i, D-iv	(d)
.6	The total number	er of squares in the	e follo	owing figure is:		22
	a) 24	b) 20		c) 22	d) 18	(c)
.7		in the following justice of the following just		n.		KLLV
	a) KLLV	b) KLMX		c) JLLV	d) JLMX	a)
.8		ces Vineet as the cond Vineet are relate		on of the only brother of	f his father's wife.	cousin
	a) brother	b) cousin		c) uncle	d) son-in-law	(b)
.9	mathematically	correct? 3×6		inged to make the given		6, 8
	a) 6, 8	, ,		, ,	d) None	(a)
0.	If BANKER is	coded as CAOKF	R, the	n how would LAWYER	t be coded?	MAXYFR
	a) LBWZES	b) LBWYFR		c) MAXYFR	d) MAXZES	c)
1	only be elimina		cing th	very measurement, and a prough the sources of pro- rmed as:		
	a) Random errors	b) Systematic err	rors	c) Cascading errors	d) Perpetual errors	b
2	about the world	that can be true o	r false	a hypothesis. A hypothe, and whose truth is bei	ng tested.	
	a) A valid hypothesis is based on 'that exists'	b) A hypothesis is positive conclusion		c) A hypothesis can never be tested	d) A valid hypothesis must be falsifiable	d
23	hypotheses?	J		could be considered as decreases the odds of c		Answer

			se to ge	et large and tasty tomato	es?	
	C. Macs are bet			4h D.C.C. A		
	D. Briar's Aspir	in cures headache	es faste	er than RCS Aspirin.		
	a) A, B	b) A, B, C		c) A, D	d) B, C	c
24	Relate the 'func	tion or relationshi	ip' (A)	and 'comment' (B) and	select the	Answer
	appropriate ansv	wer		, ,		
		e speed of sound i	n air a	t fixed pressure depends	upon air	
	temperature.					
	B: The control v	variable is tempera	ature, a	and the response variable	e is sound speed.	
	a) Functional	b) Functional		c) Functional	d) Neither the	a
	relationship is	relationship is		relationship is correct	functional	
	correct and	incorrect but the		but the comment is	relationship is	
	the comment	comment is true	for	false for the	correct nor the	
	is true for the	the relationship		relationship	comment is	
	relationship				true	
25		g design' and its '				Answer
	Sampling Desi	gn	Meth			
	A. Deliberate			nple collected as mation received and		
	B. Simple rand	lom		y progresses mple drawn from a		
	b. Simple faile	IOIII		ogeneous group		
	C. Stratified			rposive selection of		
	C. Stratifica		•	cular units		
	D. Sequential			ry item in the population	 	
				n equal chance of		
			inclu	-		
	a) A-iii, B-iv,	b) A-ii, B-iv, C-i	ii,	c) A-i, B-iii, C-ii, D-	d) A-iii, B-ii,	a
	C-ii, D-i	D-i		iv	C-iv, D-i	
26				tribution is 1000. How r	nany ————	Answer
		ll be there betwee	n μ+1		T = 0.7.	
	a) 500	b) 680		c) 720	d) 950	b
27	Which of the fo	llowing are reason	ns for	citing a paper?		Answer
	A mag ita idasa	definitions to	inat	Dagaarah		
	·	definitions, terms		Researcn ndergoing Research Que	ection	
				opted for a certain task.	ouon.	
		ta also used in Cu				
	a) A, B, C	b) B, C, D		c) A, C, D	d) A, B, D	c
28		, , ,	cation	expectations mostly reso		Answer
-0				crank up their citation ra	•	
	•	ethical. Identify th		_	.	
		-				
	A. Gift authorsh	•				
	B. Extensive ex	•				
	C. Salami Slicin	-				
	D. Extensive ref			a) D. C. D.	4) A C D	
20	a)A, B, C	b) A, B, D	``	c) B, C, D	d) A, C, D	d
29	Match the refere	ences (APA 7 style	e):			Answer

	A. Journal Article	i. Edwards, A. A., Steacy, Kearns, D. M., Rueckl, J. Unpacking the unique rela word reading developmen predictors of performance. 114(6), 1242–1256. https://	G., & Compton, D. L. (2 ationship between set for t: Examining word- and c. Journal of Educational	022). variability and child-level Psychology,					
	B. Authored Book	Deliberate practice in emo American Psychological A	i. Levenson, H., Jinich, S., Vaz, A., & Rousmaniere, T. (2025). Deliberate practice in emotionally focused couple therapy. American Psychological Association. https://doi.org/10.1037/0000436-000						
	C. Webpage	school collaboration to pro & M. A. Bray (Eds.), Pron Interventions for mental had American Psychological A	. Zeleke, W. A., Hughes, T. L., & Drozda, N. (2020). Home—hool collaboration to promote mind—body health. In C. Maykel M. A. Bray (Eds.), <i>Promoting mind—body health in schools:</i> terventions for mental health professionals (pp. 11–26). merican Psychological Association. tps://doi.org/10.1037/0000157-002						
	D.	iv. Taras, Z. (2024, May 30	0). Situational irony can	be funny, tragic					
	Edited	or even terrifying. howstu	ffworks.						
	Book	https://entertainment.hows	stuffworks.com/arts/litera	ature/situational-					
	Chapter	irony.htm	a) A ::: D :: C : D	d) A : D :: C					
	a) A-i, B-ii, iv, D-iii	C- b) A-ii, B-iii, C-iv, D-i	c) A-iii, B-ii, C-i, D-iv	d) A-i, B-ii, C- iii, D-iv	a				
30		of the following refers to po		m, D IV					
	a)	b)	(c)	d)	С				
	Mejan - Mejdiyn - Mo	Mean= Median=Mode	Mode Median Mean X	Mean Madian Mode X					
31	How much	is the degree of freedom for	the following data table	?	Answer				
	S. No.	X_i Hypothesised mean $m_{H_0} = 578$ kg.	$D_i = \left(X_i - \mu_{H_0}\right) \qquad \qquad D_i^2$						
	5	572 578	-6 36 0						
	6 7	578 578 570 578	0 0 -8 64						
	8 9	572 578 596 578	-6 36 18 324						
	10	544 578	-34 1156						
	n=10		$\sum D_i = -60 \qquad \qquad \sum D_i^2 = 1816$						
	a) 8	b) 9	c) 10	d) 18	b				
32	Find out the	Null hypothesis for the give	ven table		Answer				

	-						
	S. No.	1 02	thesised mean	$D_i = \left(X_i - \mu_{H_0}\right)$	D_i^2		
			= 578 kg.				
	5 6	572 57 8	578 578	–6 ∙0	36 0		
	7	570	578	-8	64		
	8	572	578	-6	36		
	9	596	578	18	324		
	10	544	578	-34	1156		
	n=10			$\sum D_i = -60$ $\sum .$	$D_i^2 = 1816$		
	a)	b) $\mu_{H_0} \neq 578$	3kg.	c) $\mu_{H_0} = -5$	78kg.	d)	a
	$\mu_{H_0} = 578 \text{kg}.$	•	C	,	C	$\mu_{H_0} = \pm 578 \text{kg}.$	
33	What will be su	m of the devia	ations of o	bservations fr	om the reg	ression line?	Answer
	a) -∞	b) 0		c) +∞		d) undefined	b
34	Derive from the	following dia	ıgram				Answer
	Assertion: In this normal distribution 5 percent of the sample are rejected. Justification: It shows a two tailed hypothesis test model at 90 percent confidence level						
	a) Assertion is	b) Assertion		c) Assertion		d) Assertion is	d
	true and	but justificat	ion	and justifica		true and	
	justification	explains the		true but doe		justification for	
	explains the	Assertion		explain the	Assertion	the Assertion is	
	Assertion					incorrect	
35	Match into pair	s for the Statis	tical meth	od with appro	priate deta	ils mentioned:	Answer
	Statistical met	hod	Details				
	A. Correlation			2, 3, 4,			
	B. Polynomial			than two pop	ulation on s	ame	
	D. I Olymonnai	10510551011	characte		aration on s	,41110	
	C. ANOVA			of homogenei	tsv		
				ires only two	•		
	D. Chi square	1-) A : D :				4) A ::: D : C	L
	a) A-i, B-ii, C-	b) A-iv, B-i,	C-11, D-	c) A-iv, B-ii	, C-1, D-	d) A-iii, B-i, C-	b
	iii, D-iv	iii		iii		ii, D-iv	

36	Match the following and give the correct answer	er:	Answer
	A. Nature of Interaction holding atom	i Kinetics	
	B. Rate of Chemical Reaction	ii Bond	
	C. Increase the rate of reaction	iii Lipid	

	D. hydrocarbon chain insoluble in water iv catalyst						
	a) A(i), B(ii), C(iii), D(iv)	b) A(ii), B(i), C(iv), D(iii)	c) A(iii), B(ii), C(i), D(iv)	d) A(ii), B(iii), C(i), D(iv)	(b)		
37	In a simple harmonic	motion, the velocity of	a particle is maximum	at:	Answer		
	a) Mean position	b) Extreme position	c) Halfway between mean and extreme	d) At all positions	(a)		
38	In a double-slit exper fringe spacing on the	iment, if the distance b screen?	 etween slits is doubled	what happens to the	Answer		
	a) Fringe spacing halves	a) Fringe spacing doubles	c)Fringe spacing remains the same	d)Fringe spacing quadruples	(a)		
39	A block slides down a frictionless inclined plane. Which of the following statements is true?						
	a) Mechanical energy is not conserved	b) Potential energy decreases, kinetic energy increases	c) Kinetic energy decreases	d)Acceleration is zero	(b)		
40	Which of the following is true for a photon in a vacuum?						
	a) It has mass but no energy	b) It has energy but no rest mass	c) It has rest mass and energy	d) It can be accelerated by a force	(b)		
41	If $f(x) = \begin{cases} \{ x-2 \}/\\ 0, \end{cases}$	$((x-2)), x \neq 0$ otherwise			Answer		
	a) -1	b) 1	c) 0	d) does not exist	d		
42	If $y = x^5 - 5x^4 + 5$.	x^3-1 , then the value α	of $\frac{d^6y}{dx^6}$ is		Answer		

С
Answer
b
a
Answer
С
Answer
(a)
Answer
Answer

		and knowled	dge base				
	a) A – iv, B – i, C – iii, D – ii.		c) A – ii, B – i, C – iii, D – iv.	d) A – iii, B – i, C – iv, D – ii.	(c)		
48	Which programming I	anguage is widely used	for AI and ML develop	ment?	Answer		
	a) Python	b) JavaScript	c) C#	d) HTML	(a)		
49	Which of the following statement is true:						
	a) A byte is made up of 16 bits.	b) ROM is volatile memory that loses data when power is switched off.	c) A compiler translates high-level code into machine code line by line.	d) A firewall is used to protect a computer network from unauthorized access.	(d)		
50	What is a network of networks called?						
	a) Intranet	b) Internet	c) WAN	d) LAN	(b)		

~ 1	T71 '	1.	c ·	. 1	1 .	.1 1 0	c
51	Khaira	disease	of rice	is caused	due to	the deficiency	ΟĪ

a) Boron

b) Zinc

c) Magnesium

d) Manganese

Which component is commonly found in fungal cell walls?

a) Peptidoglycan

b) Chitin

c) Lignin

d) Pectin

There are two statements marked as Assertion (A) and Reason (R). Mark your answer as per the codes provided below

- (A) Wilt is caused by *Fusarium* sp.
- (R) Fusarium is a sclerotial pathogen.
- a) Both A and R are b) Both A and R are c) A is true but R is d) A is false but R is true and R is the true but R is not the false. true. correct explanation of A.

54 Please match the correct answer

A. Citrus canker i Fungi
B. Rust of wheat ii Bacteria
C. Yellow vein mosaic iii Virus
D. Root knot iv Nematode

a) A - i, B - ii, C -iii, b) A - ii, B - i, C -iii, c) A - iii, B - ii, C -i, d) A - iv, B - iii, C D-iv D-iv -ii, D-i

When are seeds allowed to enter a country without certification?

- 1. When they are pathogen-free.
- 2. When they are certified by a foreign authority.
- 3. When they are accompanied by a phytosanitary certificate.
- 4. When they are of local origin.
- 5. When they are visibly diseased.
- a) Only 1, 2 and 5 b) Only 2, 3 and 5 are c) Only 1, 2 and 3 are d) Only 1, 2, 3 and 4

	are true.	true.	true	are true
56	Which term describes a a) Thallus	n network of hyphae? b) Mycelium	c) Sclerotium	d) Rhizomorph
57	the codes provided belo (A) Tulip Breaking Vir (R) Tulip Breaking Vir a) Both A and R are	ow rus reduce market value rus increase market value b) Both A and R are true but R is not the	e of tulip. c) A is true but R is	
58	Please match the correct	et answer		
	A. Bordeaux mixture B. Irish Potato Famine C. Bengal Famine D. Golden Nematode a) A - i, B - ii, C -iv, D-iii	iii 1943 iv 1941	c) A - iii, B - ii, C -i, D-iv	d) A - i, B - ii, C -iii, D-iv
59	Please select the true st	atement		
	ITCC stands for a) Indian Type Culture Collection.	b) International Type Culture Collection.	c) Indian Type Cell Collection.	d)International Type Cell Collection.
60	There are two statements marked as Assertion (A) and Reason (R). Mark your answer as p the codes provided below (A) Phytophthora is a soil borne pathogen. (R) Phytophthora producing sclerotia in soil. a) Both A and R are b) Both A and R are c) A is true but R is d) A is false but R true and R is the true but R is not the false. true. correct explanation correct explanation of A.			
61	Please match the correct	ct answer		
	A.Phyllody B. Vein bending C. Wilting D. Blast a) A - ii, B - i, C -iv, D-iii	i Virus ii Mycoplasr iii Fungus iv Bacteria a b) A - ii, B - i, C -iii, D-iv		d) A - i, B - ii, C -iii, D-iv

62 Consider about soil treatment chemicals.

1. Complete control of the plant disease is obtained.

- 2. Complete control of the plant disease is not obtained.
- 3. The fungal disease is suppressed by the chemical.
- 4. The fungus always killed by the chemical.
- 5. Nematicides destroy the nematodes but eggs escape.
- a) Only 2, 3 and 5 b) Only 1, 3 and 4 are c) Only 1, 2 and 5 are d) All are true

	are true	true	true			
63	What is the role of hau a) To produce spores	storia in fungal structure b) To absorb nutrients from the host	cs? c) To support the fungal body	d) To store food reserves		
64	What is the primary mo a) Photosynthetic	ode of nutrition for fung b) Absorptive	i? c) Ingestive	d) Chemo-synthetic		
65	the codes provided belo (A) Bacteria produces of (R) Endospore are the na) Both A and R are	endospore. manifestation of exospore b) Both A and R are true but R is not the	c) A is true but R is	•		
66	Which of the following a) Cuticle and epidermal cells		ense mechanism in plant c) Phytoalexins	ts against pathogens d) Cork layers		
67	Which of the following a) Cuticle	g is a post-infectional str b) Tyloses	uctural defense mechani c) Waxes	sm in plants d) Sclerenchyma cells		
68	Which category of fung a) Protectants	gicides is effective only b) Eradicants	when used before infects c) Therapeutants	ion d) Antibiotics		
69	Which of the given dise a) Leaf Rust	eases is related to Bajra? b) Late Blight	c) Canker	d) Ergot		
70	There are two statements marked as Assertion (A) and Reason (R). Mark your answer as per the codes provided below (A) Virus infected cells secrete proteins called interferons which protect non-infected cell from further viral infection. (R) virus is mesobiotic in nature. a) Both A and R are b) Both A and R are c) A is true but R is d) A is false but R is true and R is the true but R is not the false. true. correct explanation correct explanation of A.					
71	Micro and macro conida) Alternaria	lia are presentin b) Aspergillus	c) Mucor	d) Fusarium		
72	In which of the following a) Aspergillus	ng gills arepresent b) Alternaria	c) Agaricus	d) <i>Mucor</i>		
73	There are two statemen		(A) and Reason (R). M	ark your answer as per		

- the codes provided below
 - (A) Cyanobacteria like Nostoc and Anabaena are used as biofertilizers.
 - (R) Cyanobacteria absorb phosphorus from soil and passes it to crop.

	true and R is the	b) Both A and R are true but R is not the correct explanation of A.	c) A is true but R is false.	d) A is false but R is true.	
74	Please match the correct	ct answer			
			c) A - iii; B -ii; C - i;		
	D - iv	iv; D - i	D - iv	D – iii	
75	Which one is counted a a) Chemicals	-	c) Cultural	d) weeds	
76	Example of pesticide in a) Fungus	ncludes b) Bacteria	c) Nematode	d) Insecticide	
77	Plant pathology is the sa) Bacteria	study of b) Fungi	c) Nematodes	d) Plant diseases	
78	•	dews and downy mildev b) Saprophyte	v fungus are c) Facultative parasite	d) Facultative saprophytes	
79	Mushroom is Enriched a) Protein	food b) Carbohydrates	c) Sugar	d) Starch	
80	Which structure forms a) Haustorium	at the point of contact b b) Penetration peg	etween an appressorium c) Mycelial knot	and the host cuticle d) Germ tube	
81		er their hosts through inj b) Pruning cuts	•	d) Animal grazing	
82	Lenticels serve as a potential entry point for pathogens and are primarily involved in a) Water absorption b) Gas exchange c) Nutrient transport d) Light absorption				
83	Fusaric acid is associat a) Pathotoxin	ed with which type of to b) Phytotoxin	oxin classification c) Vivotoxin	d) Mycotoxin	
84	What is the term for fu a) Obligate parasites	ngi that normally feed o b) Facultative parasites	n dead material but can i c) Obligate saprophytes	infect living hosts? d) Facultative saprophytes	
85	What is the technical te a) Teleomorphic stage	erm for the sexual stage b) Imperfect stage	of fungi? c) Holocarpic stage	d) Eucarpic stage	
86	Which group of plant p a) Fungi	oathogenic organisms ind b) Bacteria	cludes both biotic and me	esobiotic agents? d) Algae	

87	What is the purpose of a) To capture sunlight	a sclerotium in fungi?b) To produce spores	c) To serve as a resistant storage form	*	
88	the codes provided belo (A) All fungus are para (R) All parasite are fun a) Both A and R are	ow asite. agus. b) Both A and R are true but R is not the	(A) and Reason (R). Mc) A is true but R is false.		
89	The disease characteriza) Moko disease	ted by abnormal elongat b) Wilt disease	ion of rice seedlings is c) Bakanae disease	d) Club root disease	
90	The first cytokinin isolated was a) Zeatin b) Kinetin c) IPA d) GA3				
91	Please match the correct	ct answer			
	A. Plant virus B. Animal virus C.Viroids D. Prions a) A-(iv), B-(iii), C-(ii), D-(i)	iKuru disease ii Potato spir iii Polio iv Tobacco n b) A-(iv), B-(ii), C- (iii), D-(iv)	idle tuber	d) A-(ii), B-(iii), C-(iv), D-(i)	
92			used due to the deficience c) Zinc	. ,, ,,	
93	Which one is most imp a) Animals	oortant factor for develop b) Human	oment of plant diseases? c) Birds	d) Environmental parameters	
94	The green ear is a whica) Bacterial	ch type of disease? b) Fungal	c) Viral	d) Protozoan	
95	Which scientist developed the Bordeaux mixture to combat downy mildew in vineyards? a) Pierre-Marie- b) Louis Pasteur c) Gregor Mendel d) Anton de Bary Alexis Millardet				
96	What phase follows pla a) Meiosis	asmogamy in the sexual b) Mitosis	reproduction of fungi? c) Karyogamy	d) Germination	
97	Which type of asexual a) Zoospores	spore is typical in <i>Penic</i> b) Conidia	illium? c) Sporangiospores	d) Chlamydospores	
98		g is an example of data fa b) Manipulating data to support desired		d) Including all relevant data in	

	experimental results.	conclusions.	verify findings.	research publications.
99	a) Presenting	b) Citing the original source when using someone else's work.	c) Using research findings without	
100.	Mancozeb is a formula	tion of		
•	a) mancozeb and zinc	b) maneb and zinc ion	c) manganese and zinc	d) maneb and manzate
101	Which type of resistance a) Vertical resistance	b) Horizontal resistance	by a single or a few gene c)Tolerance resistance	es and is race-specific? d) Susceptibility resistance
102	What is the primary me a) Thick cuticles	echanism responsible for b) Hypersensitive reaction	1 1	s? d) Tissue culture
103	Which type of fungal that a) Eucarpic	nallus is entirely convert b) Plasmodial	ed into reproductive struction (c) Holocarpic	actures? d) Unicellular
104	What is a septum in fur a) A type of hypha	C	c) A partition in a hypha	d) A form of spore
105	the codes provided belo (A) Saccharomyces cen (R) Fermentation carrie a) Both A and R are	revisiae is used for making out by Yeast enzymes b) Both A and R are true but R is not the	ng bread. produces CO ₂ . c) A is true but R is	
106	A. Endosperm B. Zygote C. Stigma D. Gametes a) A- i, B - iv, C -iii, D - ii	i Carpel ii Haploid iii Nutrition iv Fertilisatio b) A - ii, B - iii, C - iv, D - i		d) A - iv, B - iii, C - ii, D -i
107	Who is considered the a) Anton de Bary	father of plant pathology b) Louis Pasteur	c) Robert Hooke	d) Gregor Mendel
108	Most of the plant viruse a) DNA	es contains? b) RNA	c) a and b	d) a or b

109	Plant parasitic nature of a) Anton de Bary	of fungi was proven by? b) Louis Pasteur	c) P.A. Micheli	d) J.F. Kuhn		
110	Peach leaf curl is cause a) Virus	ed by which agent? b) Bacteria	c) Phytoplasma	d) Fungi		
111	Rhizomorph is charact a) <i>Armallaria</i>	eristic to which of the fo b) <i>Rhizoctonia</i>	llowing? c) <i>Verticillium</i>	d) Claviceps		
112	Lemon shaped sporang a) <i>Albugo</i>	gia is produced by? b) <i>Phytophthora</i>	c) Phytium	d) peronospora		
113	The most sensitive fact a) Temperature	tor for nematode populat b) Moisture	cion is?	d) Light Intensity		
114	Red ring disease of coca) Rhadinaphelenchusc ocophilus	conut is caused by b) Bursaphelenchusxylo philus	c) Ditylenchussimilis	d) Tylenchulussemipenet rans		
115	Mantek disease of rice a) <i>Hirschemanni</i> <i>ellaoryzae</i>	is caused by? b) Meloidogyneg raminicola	c) Heteroderaor yzae	d) Ditylenchusa ngustus		
116	Stem and bulb nemator a) Ditylenchusdi psaci	de is b) <i>Ditylenchusa</i> ngustus	c) Tylenchulusse mipenetrans	d) Aphelenchoid esbesseyi		
117	Father of seed patholog a) Mary Noble	gy is b) Paul Neergard	c) V. K. Agarwal	d) L.C. Doyer		
118	State true or False Wilt causing <i>Fusarium</i> sp. in red gram produces a. Macro conidia b. Micro conidia c. Micro, Macro and chlamydospores d. Chlamydospores a) Only a b) a and b c) only c d) a and d					
119	State true or false Mycoplasma contains a. Lipids b. Sterols c. Carotenols d. Lipids and stero a) Only a	ols b) a and b	c) only d	d) a, b and c		
120	State true or false Bdellovibrio are gram a. Gram negative b. Gram positive					

	c. d. a)	Viruses Gram positive Only a	and viru b)	uses Only b		c)	a and b		d)	only d
121	the co A) R)	are two statemedes provided be The Bengal Fa It caused an ep	low mine is idemic	a bacterial in the year	diseas 1942	e			·	-
		n A and R are and R is the et explanation	true b	out R is no	ot the	c) A false.	is true but	R is	d) A i true.	s false but R is
122	the co A) R) M	are two statements desprovided being Hollings first range are van A and R are	low eported viruses i	mycovirus nfecting fu	on cul	ltivated	mushroon	1	·	-
		and R is the	true b	out R is no	ot the	false.	is true but	K 15	true.	s raise out K is
123	A. B. C. D.	the pairs Pahala Heart rot of so Whip tail of c Exanthema	auliflov	ver III IV	M. C.	oron Iolybdo opper Iangan	ese			
	a) IV, D-		b) A-l III	IV, B-I, C-	II, D-	c) A-I IV	I, B-I, C-II	I, D-	d) A-I III	, B-IV, C-II, D-
124	A. B. C. D.	the pairs Central Potate Indian Type C Commonwea National Bur oorganisms	Culture (lth Insti	Collection (tute of Biol	Centre logical	Contro				
		A-I, B-III, C-	b) II, D-		-I, C-	c) III, D		[, C-	d) II, D-I	A-I, B-IV, C- II
125	The ana) techni	ntagonistic activ Poison food que	•	Dual cu	_		Selective	•	d)	EPN
126	The pa)	oore size of filter 0.3 µm	s used i	n the lamin 0.03 μm	ar air 1	flow ch	amber is 3.0 μm		d)	1.25 μm
127		nost commonly u ngo red		unting med ystal violet		•	nent slide petophenol b			ada balsam
128		olution used to poper sulphate		the green c	oloure		sed sample c sulphate	of the		issue is maldehyde

129	the co A) manne R) a)Both true	er Virus acquisition A and R are and R is the	ow only k on perio b) Bo true b correc	nown vectors for d is brief and ha th A and R are ut R is not the	or transive no la	mitting plant vir	uses in		tent
130	the co A) R) a)Both	Intercellular con A and R are and R is the	ow movemo mmunio b) Bo true b	ent occurs in plan cation is facilitate th A and R are	nt viruse ed by pl c) A i	es asmodesmata	•	ir answer as	-
131		rue or false parasitizing fung Entomogenous Nematophagou Mycoparasitic Mycoviruses Only a	fungus s fungu	s a and b	c)	a and c	d)	only d	
132		crue or false root of crucifers of Stomata Root hairs Lenticels Wounds a and b	enters th	ne host through	c)	b and c	d)	only d	
122	·		ŕ	•	ŕ		,	•	. 1
133	bacter	naceous toxin p ial strain is eteriocin	b) Sap	•		erophores		closely rela	ited
134	The cl	nemical used for malin		g glassware is rcuric chloride	c) dichro		d) Soc	lium chlorid	e
135	Comp a)	lete resistance ag Multigene	_	athogen is provid	-	antitative gene	d) Ra	ce-non spec	ific
136	Genera)	ally, true resistar Nucleus	b)	ontrolled by the g Chloroplast	genes loo c)	cated in Mitochondria	d) above	All of	the
137	The ty	pe of secretion s Type I	ystem p b)	oresent in almost Type II	all plan	t pathogenic bac Type III	teria is d)	Type IV	

138	a) Cellulases	b) Proteases	c) Pectinases	d) Xylanases
139	The pathogen known a a) <i>Trichoderma</i> spp.	b) Agrobacteriu m spp.		d) Streptomyces
140	Which of the following a) Rhizoctonia	g micro-organism is not b) Rhizopus	harmful to plants? c) Rhizobium	d) Ralstonia
141	Akiochi disease is due a) Sulphur	to b) Aluminium	c) Copper	d) Iron toxicity
142	the codes provided bel A) Green Ear of b R) Zoospores are a)Both A and R are	ajra belong to Oomycota the sexual spores of gree b) Both A and R are true but R is not the	phylum n ear fungi	
143	the codes provided bel A) Gene pyramidi into single genotype R) All the major against several races o a)Both A and R are	genes are incorporated f a pathogen b) Both A and R are true but R is not the	multiple desirable genes	s from multiple parents nat provides protection
144	Match the pairs A. Reovirus B. Illarvirus C. Furoviruses D. Nepovirus a) A-I, B-III, C-II, D-IV	I. Respiratory enteric o II. Fungus transmitti viruses III. Nematode transm virus IV. Isometric labile rin b) A-IV, B-I, C-II, D-III	ng rod shaped itted polyhedral	d) A-I, B-IV, C-II, D-III
145	The method involved to obtain pure culture is a) Serial dilution plate method		anism from soil to cultu c) Pour plate technique	
146	Chemical used for neg a) Uranyl acetate	ative staining in ISEM b) Safranin	c) Lactophenol blue	d) Nigrosain

147	High volume sprayer can spray how much quantity of liquid per unit area?							
	a) > 400 litres/ ha	b) 5-400 litres/ ha	c) 5-50 litres/ ha	d) 1-10 litres/ ha				
148	The fluorescence produ	icing dye is known as						
	a) Chromophore	b) Flurochrome	c) Luminance	d) All of the above				
149	Ear showing honey dew symptoms is a characteristic of which disease?							
	a) Green ear of Bajra	b) Grain smut of	c) Ergot of Bajra	d) All of the above				
		Bajra						
150	Dispersal of plant pathogens by wind is called							
	a) Hydrochory	b) Zoochory	c) Anemochory	d) Ornithochory				

Answer Keys

Allswei	Neys
51	В
52	В
53	C
52 53 54 55 56 57 58	В
55	D
56	D B D
57	D
58	D
59	A
60	C
61	A C A A B B
62	A
63	В
64	В
65	C C
66	C
67	В
68	A
69	D
70	D D D
71	D
72	C
7.4	C D
69 70 71 72 73 74 75 76	
76	D D D
77	D
78	A
79	A
80	B
81	C
82	В
83	C
84	D
85	A
86	C
87	C
88	С
89	С
90	В
91	B A
92	
93	B D
94	В
95	A
96	C
97	В
98	В

99	В
100	В
101	A
102	C
103	C
104	C
105	C
106	C
107	В
108	В
109	A
110	В
111	A
112	В
113	A
114	A
115	D
116	A
117	В
118	C
119	D
120	A
121	D
122	A
123	В
124	В
125	A
126	В
127	D
128	A
129	A
130	A
131	A
132	В
133	A
133 134	C
135	В
136	A
137	A
138	C
139	D
140	C D C
141	A
142 143	C
143	A
144	D
144 145	A
146	A
147	A
1.17	

148

В

149	C
150	C