Seat No:	Seat No: Enrollment No:	
	PARUL UNIVERSI COLLEGE OF AGRICUL	TURE
	B.Sc.(Hons.) Agriculture Summer 2021	
	er: 6 t Code: 20107303 t Name: DISEASES OF FIELD AND HORTICULTU CROPS AND THEIR MANAGEMENT - I	Date: 02/04/2022 Time: 10:30 am to 01:00 pm Total Marks: 50 JRAL
Instructi		
	estions are compulsory.	
	s to the right indicate full marks.	
	suitable assumptions wherever necessary. ew question on new page.	
i. Start ii.	ew question on new page.	
).1A F	Fill in the blanks (Each of 0.5 mark)	
	. Kresek phase symptom is found in	
2		
3		r epidemic of bacterial leaf blight in
	Bihar.	
4		
5	I J J	
6	2	
7		y·
8	J 1 J	
9	Black rot of crucifers is caused by	·
1	0. Leaf curl of tomato is caused by	<del>.</del>
B. T	Fick mark ( $\sqrt{}$ ) the appropriate answer (A, B, C or	D) of the multiple choice questions
(]	Each of 0.5 mark)	•
ì	Damping –off disease is favoured by	
	(A) Low soil moisture (B) Medium so	oil moisture
	(C) Dry soil (D) High soil r	noisture
2	Dud not of account is coused due to	

(B) Phytophthora citrophthora

(D) Phytophthora infestans

(B) Exobasidium vexans

(D) None of above

(B) Chlamydospore

(B) Moko disease(D) Sigatoka disease

(B) Propiconazole

(D) Penconazole

(D) Conidia

(B) 5%

(D) 20%

Fungal pathogen causing vascular wilt is survived in soil in the form of....

State the percentage which is used to prepare Bordeaux paste.....

(A) Phytophthora parasitica(C) Phytophthora palmivora

(A) Cephaleuros mycoidea

The common name of Tilt is......

(C) Phomosis vexans

(A) Panama disease

(A) Difenconazole(C) Hexaconazole

(C) Bunchy top

(A) 1% (C) 10%

(A) Oospore

(C) Sclerotia

Blister blight of tea is caused due to ...

Fusarium wilt of banana is also known as......

3.

4.

5.

6.

7.

	8.	Which part of pomegranate tree is	s mainly infected by Cercospora punicae?	
		(A) Stem	(B) Fruits	
		(C) Leaves	(D) Branches	
	9.	0.05  g. = ppm.		
		(A) 50	(B) 5000	
		(C) 500	(D) 5	
	10.	State the name of coffee disease ca	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	10.	(A) Twig rot	(B) Black rot	
		(C) Kolerago	(D) Rust	
	11.	The primary source of inoculum for		
	11.	(A) Zoospore	(B) Oospore	
		(C) Zygospore	(D) Sclerotia	
	12.		undant pycnidia are produced on fruit surface is a	
	12.	characteristic symptoms of	undant pycindia are produced on fruit surface is a	
		(A) Fruit rot of chilli	(B) Guava wilt	
			(D) Potato scab	
	12	(C) Phomopsis fruit rot of brinjal  Disease can be controlled by know		
	13.	•	<u>o</u>	
		(A) the cause of disease	(B) the production method of pathogen	
	1.4	(C) the forecasting about the disease		
	14.	Simple spray of water can reduce.		
		(A) bacterial disease	(B) Powdery mildew disease	
	1.5	(C) Alternaria leaf spot disease	(D) Downy mildew disease	
	15.	'Buck eye rot' is a disease of	(D) I 6 1	
		(A) Leaves of tomato	(B) Leaves of sorghum	
		(C) Tomato fruits	(D) Stem of tobacco	
	16.	_	tissues produces necrotic areas with black dots.	
		They are pathogenic part like		
		(A) Conidia	(B) Acervuli	
		(C) Cleistothecium	(D) Zygospore	
	17.	Bacterial leaf blight of rice can be	effectively managed by	
		(A) Strepto cycline 10g alone	(B) Hexaconazole 1g	
		(C) Carbendazim 10g alone	(D) Streptocyline 1 g + Copper oxychloride 20g	
	18.	Fingermillet blast pathogen surviv	ve in the collateral host such as	
		(A) Barberry	(B) Brinjal	
		(C) Triticum aestivum	(D) Leersia hexandra	
	19.	Rhizome rot pathogen of ginger is	transmitted by	
		(A) Air	(B) Soil	
		(C) Rhizome	(D) Insect	
	20.	Sterility mosaic disease of pigeon p	pea is transmitted by	
		(A) Eriophyid mite	(B) Thrips	
		(C) Aphids	(D) Jassids	
Q.2A.	Defi	ne the following (Any five out of sev	ven)	(5
	1.	Phytopathology		
	2.	Disease		
	3.	Symptom		
	4.	Epidemiology		
	5.	Syndrome		
	6.	Primary inoculum		
	7.	Infection		

	•					
	3.	Which state is badly affected by rhizome rot of ginger and why?				
	4.	Which pathogen was responsible for famous Bengal famine during 1942-43?				
	5.	Give the teliomorphic stage of <i>Pyricularia grisea</i> .				
	6.	Why adult plants of pigeonpea get wilted even though when there may be plenty of moisture in field?				
	7.	Which fungal pathogen causes panama disease in banana? Give its systemic position?				
3	Do a	Do as directed (Any five out of six)				
	1.	Differentiate between loose smut and covered smut of sorghum				
	2.	Describe the disease cycle of ergot of bajra				
	3. Differentiate between early and late leaf spot disease of groundnut					
	4.	Symptoms of seed and seedling rots of soybean				
	5.	Diagrammatic representation of disease cycle of phytophthora blight of colocasia				
	6.	Management of damping off of vegetables				
4	Attempt the following (Any three out of four)					
	1.	Describe the symptoms, causal organism, disease cycle, perennation and the management of blast of rice.				
	2.	Describe the early tikka and late tikka disease of ground nut				
	3.	Describe the characteristic symptoms, mode of spread and management of yellow vein				

How many smut diseases occur on maize in India? Describe the symptoms, causal

organism, disease cycle, perennation and the management of any one disease in detail.

State the primary and secondary source of inoculum of guava wilt.

**(5)** 

Answer the following (Any five out of seven)

mosaic disease of okra

2.

4.

 $\mathbf{Q}$ .

 $\mathbf{Q}$ .

Give the historical significance of rust of coffee.