

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION MAY 2025
(Second Semester)
Branch - BOTANY
PLANT PATHOLOGY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Which of the following act as defense mechanisms in plants? a) Bark b) cuticle c) callose d) cell wall	K1	CO1
	2	Avoiding the contact between host and the pathogen wouldn't include a) Quarantine regulations. b) Notification of plant disease. c) Eradication. d) Certification.	K2	CO1
2	3	Endotoxins are produced ----- by pathogens a) internally b) externally c) both d) none	K1	CO2
	4	----- is the first step in disease cycle a) inoculation b) pre-penetration c) penetration d) infection	K2	CO2
3	5	Tikka disease is caused in ----- a) citrus b) brinjal c) sugarcane d) groundnut	K1	CO4
	6	Red rot of sugarcane is caused by ----- a) bacteria b) nematode c) fungus d) virus	K2	CO4
4	7	Bacterial blight of Paddy is caused by ----- a) bacteria b) nematode c) fungus d) virus	K1	CO5
	8	Yellow vein disease of bhendi is caused in ----- a) cucumber b) apple c) ladies finger d) cotton	K2	CO5
5	9	Little leaf of brinjal is caused by ----- a) phytoplasma b) nematode c) fungus d) virus	K1	CO6
	10	SSD is caused by ----- a) phytoplasma b) nematode c) fungus d) virus	K2	CO6

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain the scope of plant pathology.	K2	CO1
	(OR)			
	11.b.	Demonstrate the defense mechanism of plants.		
2	12.a.	Organize the control methods of plant diseases.	K3	C02
	(OR)			
	12.b.	Organize the symptoms of plant diseases.		
3	13.a.	Categorize the disease cycle and control measures Tikka disease of groundnut.	K4	CO4
	(OR)			
	13.b.	Examine the disease cycle and control measures of Rust of wheat.		
4	14.a.	Interpret the causal organism and disease cycle of TMV disease.	K5	CO5
	(OR)			
	14.b.	Explain the causal organism and disease cycle of Bean mosaic virus.		
5	15.a.	Elaborate on the disease cycle and control measures of Little leaf of brinjal.	K6	CO6
	(OR)			
	15.b.	Discuss about the causal organism and disease cycle of rice yellow dwarf.		

SECTION - C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Distinguish note the Koch's postulates for pathogenicity.	K4	CO1
2	17	Simplify the mode of dissemination of pathogens.	K4	CO2
3	18	Examine the causal organism and control measures of red rot of sugarcane.	K4	CO3
4	19	Criticize on the causal organism and disease cycle of bacterial blight of paddy.	K5	CO4
5	20	Elaborate on general account on nematode diseases.	K6	CO5

Z-Z-Z

END