



**End Semester/Reappear (Semester II) Examination May 2025**

**Programme: B. Sc. (Hons.) Agriculture**  
**Course: Fundamentals of Plant Pathology**  
**Course Code: 13A.156**  
**Enrolment no. \_\_\_\_\_**

**Full Marks: 50**  
**Time: 2 Hrs.**

Q.No.	Questions	CO	Bloom Taxonomy Category	Marks
<b>Section I</b>				
1	<b>Short Answer type questions. Answer any four.</b>			<b>4 x 5 = 20</b>
a	Describe the characteristics of phytoplasmas and name one disease caused by them.	CO1	Remember	
	or			
b	Define nematodes along with its morphological characters. Name three nematodes causing their disease separately.	CO1	Understand	
	Discuss the common methods of asexual reproduction with examples.	CO3	Understand	
	or			
c	Differentiate between asexual and sexual reproduction in fungi.	CO3	Understand	
	Explain the nature of damage caused by Meloidogyne and Heterodera species.	CO1	Remember	
	or			
d	Describe the reproduction method in bacteria.	CO1	Understand	
	Apply your knowledge to suggest an appropriate chemical and cultural control method for managing foliar fungal disease in crops.	CO3	Apply	
	or			
	Explain the precautions to be taken during the application of fungicides in the field.	CO3	Apply	
<b>Section II</b>				
	<b>Long Answer type questions.</b>			<b>2 x 15 = 30</b>
2	Analyze morphological differences between bacteria, mollicutes, and viruses with respect to plant infection.	CO1	Analyze	
	or			
3	Evaluate the disease transmission methods of viruses. How viruses can be effectively measured?	CO1	Evaluate	
	Apply your understanding of fungal structure and thallus types to identify fungal pathogens in diseased samples.	CO2	Apply	
	or			
	Apply binomial nomenclature rules to correct scientific names of common fungi.	CO2	Apply	

**Course Outcome:**

**At the end of the course the students will be able to;**

**CO1: Distinguish between various microbes present in environment.**

**CO2: Develop laboratory related skills.**

**CO3: Analyze and identify the causal organisms of diseases.**