

End Semester/Reappear (Semester V) Examination December 2024

Programme: B. Sc. (Hons.) Agriculture

Course: Principles of Integrated Pest and Disease Management

Course Code: 13A.311

Enrolment no. _____

Full Marks: 50

Time: 2 Hrs.

Q.No.	Questions	CO	Bloom Taxonomy Category	Marks
Section I				
1	Short Answer type questions.			
a	Prepare a flowchart for the stages of Pest risk analysis.	CO1	Apply	4 x 5 = 20
	or			
b	Illustrate economic importance of diseases with the help of five examples.	CO1	Apply	
	or			
c	Compare cultural and physical methods of insect-pest control.	CO2	Understand	
	or			
d	Explain briefly any five mechanical methods of insect-pest control along with examples.	CO2	Understand	
	or			
e	Compare Economic Threshold level and Economic Injury level.	CO3	Understand	
	or			
f	Discuss the factors on which EIL can vary.	CO3	Understand	
	or			
g	Apply your knowledge to illustrate the safety issues in pesticide use.	CO4	Apply	
	or			
h	Compare fixed plot survey and roving plot survey.	CO4	Understand	
	or			
Section II				
Long Answer type questions.				
2	a. Judge the economic importance of insect pest on the basis of utile products. Explain any three beneficial parasitic insects.	CO1	Evaluate	2 x 15 = 30
	b. Prepare a flowchart for steps in diagnosis of insect pest damage.	CO1	Apply	
	or			
	a. Classify insect pests on the basis of occurrence and population level.	CO1	Analyze	
3	b. Enlist the methods for detection and diagnosis of diseases.	CO1	Remember	
	or			
	a. Judge the case history of IPM in Cotton at Ashta village, Andhra Pradesh with respect to IPM of Groundnut in Anantapur village, in the state Andhra Pradesh.	CO3	Evaluate	
	b. Discuss the importance and components of Pest surveillance.	CO3	Understand	
4	or			
	a. Plan an IPM Module for insect pest and diseases of Rice crop.	CO3	Create	
5	b. Define the terms Surveillance and forecasting.	CO3	Remember	
	or			

Course Outcome:

At the end of the course, the students will be able to-

CO1 Know the importance of sign and symptoms for detection of pathogens and diseases

CO2 Understand the knowledge of integrated methods of disease management.

CO3 Comprehend the strategies of IPM, pest monitoring, and decision making.

CO4 Assess the insect's effect on animal and plant health, manipulate populations of beneficial and destructive species in habitats and introduction to agro-ecosystems with minimal environmental impact.