JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Programe : B.Sc. (Hons.) Agriculture	Session :Fall	Year : 2022	Sem: V
Course: Principles of Integrated Pest and Disease Management (Theory)			
Name of the Faculty: Mr. Pratik Chandra Morya	Commencement Date: 29/08/2022	Date of Closure: 30/12/2022	

Lecture No.	Week	Topics to be Covered	Blended Mode			Date	Duration	Tracking of Lectures	Related Course Outcome	Signature of Faculty	Signature of HoD	Remarks (if any)
			ICT Tool /Platform/ LMS	Resources	Activity							
1	1	Categories of insect pests and diseases										
2	2	IPM: Introduction, history, importance, concepts, principles and tools of IPM										
3	3	Economic importance of insect pests										

4	4	diseases and pest risk analysis.										
5	5	Methods of detection and diagnosis of insect pest and diseases										
6	6	Calculation and dynamics of economic injury level										
7	7	and importance of Economic threshold level.										
8	8	Methods of control: Host plant resistance										
	9	cultural,										
	10	mechanical,										
	11	physical,										
	12	legislative,										
	13	biological										

	14	and chemical control.										
	15	Ecological management of crop environment.										
	16	Introduction to conventional pesticides for the insect pests and disease management.										
	17	Survey surveillance and forecasting of Insect pest and diseases.										
	18	Development and validation of IPM module.										
	19	Implementation and impact of IPM (IPM module for Insect pest and disease. Safety issues in pesticide uses.										
	20	Political,										
	21	social and legal implication of IPM.										
	22	Case histories of important IPM programmes.										

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