JHARKHAND Rai University
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Lesson Plan & Tracking

Programe : B.Sc. Agri	**Session : 2022-2023**	**Year : 2nd**	**Sem: III**
Course: Farm Machinery & Power (Theory)			
Name of the Faculty: Om Prakash Satyam	**Commencement Date:29.08.2022**		**Date of Closure:30.12.2022**

Lecture No.	Week	Unit	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	I	Status of Farm Power in India, Sources of Farm Power										
2	2		I.C. engines, working principles of I C engines, comparison of two stroke and four stroke cycle engines										
3	3		I.C. engines, working principles of I C engines, comparison of two stroke and four stroke cycle engines										
4	4		Study of different components of I.C. engine, I.C. engine terminology and solved problems										
5	5		Study of different components of I.C. engine, I.C. engine terminology and solved problems										
6	6		Familiarization with different systems of I.C. engines										
7	7		Familiarization with different systems of I.C. engines										
8	8		Air cleaning, cooling, lubrication										
9	9		Air cleaning, cooling, lubrication										
10	10		Fuel supply system of a tractor										
11	11		Hydraulic control system of a tractor										

12	12	II	Familiarization with Power transmission system:clutch											
13	13		Familiarization with Power transmission system:clutch											
14	14		Familiarization with Power transmission system:gear box											
15	15		Familiarization with Power transmission system: differential and final drive of a tractor											
16	16		Types of tractor and cost analysis of tractor power											
17	17	III	Familiarization with Primary and Secondary Tillage implement, Implement for hill agriculture											
18	18		Familiarization with Primary and Secondary Tillage implement, Implement for hill agriculture											
19	19		Implement for intercultural operations, Familiarization with sowing and planting equipment											
20	20		Calibration of a seed drill and solved examples,											
21	21	IV	Familiarization with Plant Protection equipment											
22	22		Familiarization with Plant Protection equipment											
23	23		Familiarization with harvesting and threshing Equipment											
24	24		Familiarization with harvesting and threshing Equipment											
25	25		Revision											
26	26		Revision											

27	27		Revision										
28	28		Revision										