JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Programe : B.Sc. (Hons.) Agriculture	Session : FALL, 2022	Year : 2022	Sem: Ist

Course: Introduction to Forestry (Theory)

Name of the Faculty: Dr. Neeta S Kerketta	Commencement Date:19/09/2022	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	1	Introduction – definitions of basic terms related to forestry										
2	2		objectives of silviculture										
3	3		forest classification,										
4	4		salient features of Indian Forest Policies.										
5	5	2	Forest regeneration, Natural regeneration										
6	6		natural regeneration from seed and vegetative parts										
7	7		coppicing, pollarding, root suckers;										
8	8		Artificial regeneration – objectives, choice between natural and artificial regeneration										
9	9		essential preliminary considerations.										
10	10		Crown classification.										

11	11		Tending operations – weeding, cleaning, thinning – mechanical, ordinary, crown and advance thinning.											
12	12		Forest mensuration – objectives, diameter measurement, instruments used in diameter measurement;											
13	13	3	Non instrumental methods of height measurement - shadow and single pole method; Instrumental methods of height measurement - geometric and trigonometric principles, instruments used in height measurement;											
14	14		tree stem form, form factor, form quotient,											
15	15		measurement of volume of felled and standing trees, age determination of trees.											
16	16		Agroforestry – definitions, importance,											
17	17		criteria of selection of trees in agroforestry											
18	18	4	different agroforestry systems prevalent in the country											
19	19		shifting cultivation, taungya, alley cropping											
20	20		wind breaks and shelter belts, home gardens.											
21	21		Cultivation practices of two important fast growing tree species of the region.											