JHARKHAND Rai University
UGC RECOGNISED UNIVERSITY
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Lesson Plan & Tracking

Programe : BBA	Session : Fall 2022	Year : 2022-23	Sem: V
Course: Management Science			
Name of the Faculty: Pradipta Ray	Commencement Date: 12.09.2022		Date of Closure: 30.12.22

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/Physical	Resources	Activity							
1	1	I	Intro of Operation Reaserch. Operations Research: Uses, Scope and Applications of Operation Research in managerial decision-making.										
2		I	Formulation of Linear Programming Problem (LPP),										
3		I	Formulation of Linear Programming Problem (LPP),										
4	2	I	Solution of LPP: Simplex Method-1										
5		I	Solution of LPP: Simplex Method-2										
6		I	Solution of LPP: Simplex Method-3										
7	3	I	Solution of LPP: Graphical Methods-1										
8		I	Solution of LPP: Graphical Methods-2										
9		I	Solution of LPP: Artificial variable methods: Two – phase method-1										
10	4	I	Solution of LPP: Artificial variable methods: Two – phase method-2										
11		I	Solution of LPP: Artificial variable methods: Duality in LPP-1										
12		I	Solution of LPP: Artificial variable methods: Duality in LPP-2										

13	5	I	Solution of LPP: Artificial variable methods: Big – M method-1										
14		I	Solution of LPP: Artificial variable methods: Big – M method-2										
15		I	Solution of LPP: Artificial variable methods: Big – M method-3										
16	6	I	Integer programming problem : Branch and Bound method-1										
17		I	Integer programming problem, : Branch and Bound method-2										
18		I	Gomory's cut plane method										
19	7	II	Introduction to Transportation problem and Equations										
20		II	Optimal solution through North-west method										
21		II	Optimal solution through Least cost method.										
22	8	II	Optimal solution through Vogel Approximation method.										
23		II	Optimal solution through Vogel Approximation method.										
24		II	Questions from transportation problems										
25	9	II	Introduction to Assignment Problems										
26		II	Solve Assignment Problems through Hungarian Method										
27		II	Solve Assignment Problems through Hungarian Method										
28	10	III	Intro of Game Theory										
29		III	Pure Strategy - Game theory										
30		III	Pure Strategy - Game theory										

31	11	III	Mixed Strategy - Game theory										
32		III	Mixed Strategy - Game theory										
33		III	Game theory: Dominance method										
34		III	Game theory: Graphical method										
35		III	Game theory: Graphical method										
36		IV	m X 2 pay off table										
37		IV	m X 3 pay off table										
38		IV	2 X n pay off table										
39		IV	2 X n pay off table										
40		IV	n X m pay off table										
41			Revision										
42			Revisio										
43			Revision and Model question discussions-3										