

IDEAL INSTITUTE OF MANAGEMENT AND TECHNOLOGY



PROGRAMME: BBA CAM

SEMESTER – 4TH

ACADEMIC YEAR – 2021-22[JAN & FEB]

Course Code	Course Title	Course/ Lesson Planner	Lectures/ week (55 Min. each)	Tutorials/ Practicals/ Projects/Labs (Per Week)	Credits
19	QUANTITATIVE AIDS IN DECISION MAKING	BBA[CAM]206	4	NIL	4
Marks Assessment Distribution	As per GGSIP University norms ➤ Continuous Assessment: 25 (Class Test + Viva Voce/ Class Presentations/Class Interaction/Group Discussion) ➤ End Term Examination: 75				
Learning Objective	This course aims at equipping student with a broad based knowledge of mathematics with emphasis on business applications				

TEXT BOOKS (T)/Self Instructional Material/Websites

Sr No	Title	Author	Publisher Name
T-1	Operational Research	DS Hira and Prem Kumar Gupta	S Chand & company LTD

REFERENCE BOOKS (R)

R-1	Quantitative Techniques and Operations Research	S P Gupta and P K Gupta	Sultan chand and sons
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DETAILED PLAN FOR LECTURES

Lecture No. (1)	Date (2)	Unit/ Topic (3)	Sub-Topic/ Lecture Description (4)	Learning Outcomes (5)	References/ Text Books/ Other Readings, Relevant Websites, Audio Visual Aids, software / Self compiled instructional material and Pedagogical Tool Demonstration/ Case Study / Group Discussion/Power Point Presentation etc. (6)	Signature of Faculty (7)
1.	27-01-2022	UNIT - 1	Concept of Transportation Problem	Students were made aware of the concept of <ul style="list-style-type: none"> • Assignment Problem • Transportation Problem • NWCR • LCM METHOD • MODI METHOD • Sequencing problems of machines 	Questions taken from T1	<i>Amarjit Kaur</i>
2.	28-01-2022		NORTH WEST CORNER Rule		Material taken from T1	<i>Amarjit Kaur</i>
3.	29-01-2022		LEAST COST Method		Material taken from R1	<i>Amarjit Kaur</i>
4.	2-02-2022		VOOGEL'S Approximation Method		Material taken from R1	<i>Amarjit Kaur</i>
5.	3-02-2022		MODI Method		Material taken from R1	<i>Amarjit Kaur</i>
6.	4-02-2022		Cases of MODI method		Material taken from T1	<i>Amarjit Kaur</i>
7.	5-02-2022		Minimum number of lines concept		Material taken from T1	<i>Amarjit Kaur</i>
8.	8-02-2022		Assignment Model		Material taken from R1	<i>Amarjit Kaur</i>

9	9-02-2022		Hungarian Method
10	10-02-2022		Type 1 and Type 2 of Assignment Model
11	15-02-2022		Type 3 and Type 4 of Assignment Model
12	17-02-2022		Difference Between Transportation and Assignment Model
13	18-02-2022		Sequencing problem's concept
14	22-02-2022		$n \times 2$ Machine Question
15	23-02-2022		$n \times 3$ Machine Question
16	24-02-2022		$m \times n$ Machine Question
17	25-02-2022		Gantt Charts

Material taken from T1	Amarjit Kaur
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REMARKS BY HoD: good work.

Dr. Seema Nath Jain
(HoD, BBA 2nd Shift)

Seema
7/3/2022

REMARKS BY DIRECTOR: _____

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Prof.(Dr.)Anil Parkash Sharma
(Director)

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