



Aggarwal College Ballabgarh

LESSON PLAN

17 WEEKS (JAN-APRIL)-2025

Name of Faculty: Dr.Renu Bala

Qualification/ Department: Assistant Professor(Mathematics)

CLASS: B.Sc Maths (H)	SEMESTER: 6th	SECTION:
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SUBJECT: Operation Research

Week		
1	7-1-2025	Inventory Control: introduction of inventory
	8-1-2025	Factors affecting inventory
	9-1-2025	Important Definitions related to Inventory Control
	10-1-2025	Economic order quantity model with uniform demand
	11-1-2025	Examples related to EOQ model
	12-1-2025	S. U. N. D. A. Y.
2	13-1-2025	Contd.
	14-1-2025	EOQ model with different rates of demands
	15-1-2025	Examples related to EOQ model with different rates of demands
	16-1-2025	EOQ model when shortages are allowed
	17-1-2025	Examples on EOQ model when shortages are allowed
	18-1-2025	More examples (contd.)
	19-1-2025	S. U. N. D. A. Y.
3	20-1-2025	EOQ model with uniform replenishment
	21-1-2025	Examples
	22-1-2025	More Examples

	23-1-2025	Inventory control with price breaks
	24-1-2025	Examples on inventory control with price breaks
	25-1-2025	More Examples
	26-1-2025	REPUBLIC DAY /S. U. N. D. A. Y.
4	27-1-2025	Class test
	28-1-2025	Multi item inventory Model
	29-1-2025	Contd.
	30-1-2025	Factors affecting inventory control
	31-1-2025	Assignment
	1-2-2025	Doubt Class
	2-2-2025	S. U. N. D. A. Y/BASANT PANCHAMI
5	3-2-2025	Concept of queuing Theory
	4-2-2025	Characteristic of Queuing System
	5-2-2025	Basic Components of Queuing System
	6-2-2025	Concept of Stochastic Processes
	7-2-2025	Poisson process
	8-2-2025	Examples related to poisson process
	9-2-2025	S. U. N. D. A. Y
6	10-2-2025	Birth-death process
	11-2-2025	Transient state
	12-2-2025	HOLIDAY: GURU RAVIDAS JAYANTI
	13-2-2025	Steady state solution of markovian queuing models
	14-2-2025	Derivation of Model-M/M/1
	15-2-2025	More Parameters of related model

	16-2-2025	S. U. N. D. A. Y.
7	17-2-2025	Related examples on M/M/1 model
	18-2-2025	More Examples
	19-2-2025	Derivation of M/M/C model
	20-2-2025	Contd.
	21-2-2025	Examples based on M/M/C model
	22-2-2025	More Examples
	23-2-2025	S. U. N. D. A. Y.
8	24-2-2025	Derivation of M/M/1/k model
	25-2-2025	Contd.
	26-2-2025	HOLIDAY: MAHA SHIVRATRI
	27-2-2025	Related examples of M/M/1/k model
	28-2-2025	Doubt Class
	1-3-2025	Assignment
	2-3-2025	S. U. N. D. A. Y.
9	3-3-2025	Derivation of M/M/C/k model
	4-3-2025	Contd.
	5-3-2025	Related examples of M/M/C/k model
	6-3-2025	Test
	7-3-2025	Sequencing problems: Processing of n jobs through 2 machines
	8-3-2025	Examples related to Sequencing Problems
	9-3-2025	S. U. N. D. A. Y.
10	10-3-2025	More examples
	11-3-2025	Processing of n jobs through 3 machines

	12-3-2025	Contd.
	13-3-2025	Related Examples
	14-3-2025	Group Discussion
	15-3-2025	Presentation
	16-03-2025	S. U. N. D. A. Y.
11	17-3-2025	Processing of 2 jobs through m machines
	18-3-2025	Examples based on Processing of 2 jobs through m machines
	19-3-2025	More Examples
	20-3-2025	Processing of n jobs through m machines
	21-3-2025	Examples based on n jobs on m machine
	22-3-2025	Doubt Class
	23-3-2025	S. U. N. D. A. Y.
12	24-3-2025	Test
	25-3-2025	Replacement problems: Replacement of items whose running cost increases with time
	26-3-2025	Examples Related to Replacement Problems
	27-3-2025	Contd.
	28-3-2025	Important Questions Based on Replacement Problems
	29-3-2025	Assignment
	30-3-2025	S. U. N. D. A. Y.
13	31-3-2025	HOLIDAY: ID-UL-FITR
	1-4-2025	Questions on running cost increases with time
	2-4-2025	More Examples
	3-4-2025	Replacement policies for the items that fail completely

	4-4-2025	Related Examples
	5-4-2025	More Examples
	6-4-2025	S. U. N. D. A. Y.
14	7-4-2025	Individual replacement policies-based examples
	8-4-2025	More Examples
	9-4-2025	Doubt Class
	10-4-2025	HOLIDAY: MAHAVIR JAYANTI
	11-4-2025	Replacement policies for the items fail - group replacement policies
	12-4-2025	Examples on group replacement policies
	13-4-2025	S. U. N. D. A. Y.
15	14-4-2025	HOLIDAY: AMBEDKAR JAYANTI
	15-4-2025	More Examples
	16-4-2025	Introduction to PERT and CPM and their difference
	17-4-2025	Contd.
	18-4-2025	Network Construction
	19-4-2025	More Examples
	20-4-2025	S. U. N. D. A. Y.
16	21-4-2025	Test
	22-4-2025	Calculation of LST,LFT
	23-4-2025	Contd.
	24-4-2025	Calculation of EST,EFT
	25-4-2025	Floats with different types
	26-4-2025	Related Examples
	27-4-2025	S. U. N. D. A. Y.

17	28-4-2025	Probability consideration in PERT
	29-4-2025	Contd.
	30-4-2025	HOLIDAY: AKSHAY TRITYA
	01-05-2025	Discussion previous year question papers
	02-05-2025	Discussion previous year question papers
	03-05-2025	Discussion previous year question papers
	04-05-2025	S. U. N. D. A. Y.

Signature