Discipline	Semester	Name of the teaching Faculty
Mechanical	6th	AJAYA KUMAR SAHOO
Subject	No. of Days/ Per week class	Semester From 13/02/23 to
Industrial	04	23/05/23
Engineering		No. of weeks
Management		

week	Class Day	Theory Topics
	1st	Selection of site of Industry
	2nd	×
1st	3rd	×
	4th	Define plant Layout
	5th	Describe objective of plant Layout
	6th	Describe principle of plant Layout
	1st	Explain process Layout
	2nd	×
2nd	3rd	×
	4th	Explain product Layout and Combination Layout
	5th	Technique to improve Layout
	6th	×
	1st	principles of material handling equipment
	2nd	×
3rd	3rd	×
	4th	plant maintenance, Important of plant maintenance
	5th	Breakdown maintenance,
	6th	Preventive maintenance

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	1st	Scheduled maintenance
	2nd	×
4th	3rd	×
	4th	Introduction to operation Research
	5th	Application of operation Research
	6th	Define linear programming problem
	1st	Solution of L.P.P by graphical method
	2nd	×
5th	3rd	×
	4th	Evaluation of project Completion time by CPM
	5th	Sample problems on above
	6th	×
	1st	Explain Features of PERT and CPM
	2nd	×
6th	3rd	×
	4th	Classification of Inventory
	5th	Objective of Inventory Control
	6th	Describe the functions of Inventories
	1st	Benefits of Inventory Control
	2nd	×
7th	3rd	×
	4th	Costs associated with Inventory
	5th	Terminology in Inventory Control
	6th	Explanation of economic order quantity

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	1st	Numerical on EOQ, Define and Explain ABC analysis
	2nd	x
8th	3rd	x
	4th	Define Inspection and Quality Control
	5th	Describe planning of Inspection
	6th	Describe types of Inspection
	1st	Advantages and disadvantages of Quality Control
	2nd	x
9th	3rd	x
	4th	Study of factors influencing the quality of manufacturing
	5th	Explain the Concept of statistical Quality Control chart
	6th	x
	1st	X, R, P and C-charts
	2nd	x
10th	3rd	x
	4th	methods of attributes, Concept of ISO 9001-2008
	5th	Quality management System, Registration/
	6th	Certification procedure
	1st	Benefits of ISO to the organisation
	2nd	x
11th	3rd	x
	4th	JIT, Six Sigma, TS, learn manufacturing
	5th	Solve related problems
	6th	Introduction of production planning and Control

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	1st	Function of production planning and control
	2nd	x
12th	3rd	x
	4th	methods of forecasting
	5th	Routing, scheduling
	6th	Despatching
	1st	Controlling
	2nd	x
13th	3rd	x
	4th	Types of production
	5th	mass production
	6th	Batch production
	1st	Job order production
	2nd	x
14th	3rd	x
	4th	Job order production completed
	5th	principle of product planning
	6th	principle of product planning
	1st	Numerical problems
	2nd	x
15th	3rd	x
	4th	Numerical problems
	5th	x
	6th	x

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