

ACADEMIC SESSION: 2022-23(SUMMER -2023)

DISCIPLINE: Industrial engineering and management			Semester:6TH	Name of the teachingfaculty: SWETAPARNA DASH	
SUBJECT: Industrial engineering and management			Semester from date:14.02.2023 to 23.05.2023		
SL NO	DATE		THEORY TOPIC NAME	NO OF PERIODS	
1.	14-02-2023	PLANT ENGINEERING:	1 Selection of Site of Industry.	1	
2.	15-02-2023		Define plant layout	1	
3.	16-02-2023		Describe the objective and principles of plant layout.	1	
4.	20-02-2023		Describe the objective and principles of plant layout.	1	
5.	21-02-2023		Explain Process Layout	1	
6.	22-02-2023		, Product Layout	1	
7.	23-02-2023		Combination Layout	1	
8.	27-02-2023		Techniques to improve layout	1	
9.	28-02-2023		Principles of material handling equipment.	1	
10.	01-03-2023		Plant maintenance.	1	
11.	02-03-2023		Importance of plant maintenance	1	
12.	06-03-2023		Break down maintenance.	1	
13.	09-03-2023		Preventive maintenance.	1	
14.	13-03-2023		Scheduled maintenance.	1	
15.	14-03-2023	OPERATIONS RESEARCH	Introduction to Operations Research	1	
16.	15-03-2023		applications	1	
17.	16-03-2023		Define Linear Programming Problem	1	
18.	20-03-2023		Solution of L.P.P. by graphical method	1	
19.	21-03-2023		Evaluation of Project completion time by Critical Path Method	1	
20.	21-03-2023		Explain distinct features of PERT with respect to CPM.	1	
21.	22-03-2023	INVENTORYCONTR OL	Classification of inventory.	1	
22.	23-03-2023		Objective of inventory control.	1	
23.	27-03-2023		Describe the functions of inventories.	1	
24.	28-03-2023		Benefits of inventory control.	1	
25.	29-03-2023		Costs associated with inventory.	1	
26.	03-04-2023		Terminology in inventory control	1	
27.	04-04-2023		Explain and Derive economic order quantity for Basic model. (Solve numerical)	1	
28.	05-04-2023		Define and Explain ABC analysis.	1	
29.	06-04-2023	INSPECTION AND QUALITY CONTROL:	Define Inspection and Quality control.	1	
30.	10-04-2023		Describe planning of inspection.	1	
31.	11-04-2023		Describe types of inspection.	1	

32.	12-04-2023		Advantages and disadvantages of quality control.	1
33.	13-04-2023		Study of factors influencing the quality of manufacture.	1
34.	17-04-2023		Explain the Concept of statistical quality control,	1
35.	18-04-2023		Control charts (X, R, P and C - charts).	1
36.	19-04-2023		Methods of attributes.	1
37.	20-04-2023		Concept of ISO 9001-2008.	1
38.	24-04-2023		Quality management system, Registration	1
39.	25-04-2023		certification procedure.	1
40.	26-04-2023		Benefits of ISO to the organization.	1
41.	27-04-2023		JIT, Six sigma, 7S, Lean manufacturing	1
42.	01-05-2023		Solve related problems.	1
43.	02-05-2023	PRODUCTION PLANNING AND CONTROL	Introduction	1
44.	03-05-2023		Major functions of production planning	1
45.	04-05-2023		control	1
46.	08-05-2023		Routing	1
47.	09-05-2023		Scheduling	1
48.	10-05-2023		Dispatching	1
49.	11-05-2023		Controlling	1
50.	15-05-2023		Types of production	1
51.	16-05-2023		Mass production	1
52.	17-05-2023		Batch production	1
53.	18-05-2023		Job order production	1
54.	22-05-2023		Principles of product and process planning	

Prepared By
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