

LESSON PLAN

ACADEMIC SESSION - SUMMER 2023


6th SEMESTER W.E.F-14/02/2023 Total Period :- 48

Subject:- INDUSTRIAL ENGINEERING & MANAGEMENT

Teacher :- ER. ABHOY MOHANTA (GUEST FACULTY, MECHANICAL ENGINEERING DEPT.)

SL NO	MON TH	Week	Date	UNIT NO/PE RIOD ALLOT ED	Topic to be covered as per Syllabus	Topic actually covered as per Syllabus	Short fall if any/syllabus	Remarks
1	FEBRUARY	3rd Week	14-02-2023	8	1.0 Plant Engineering			
2			16-02-2023		1.1 Selection of site of industry			
3			17-02-2023		1.2 Define plant layout			
4			17-02-2023		1.3 Describe the objective & principles of plant layout			
5		4th Week	21-02-2023		1.4 Explain process, product & combination layout			
6			23-02-2023		1.5 Techniques of improve layout			
7			24-02-2023		1.6 Principles of material handling equipment			
8			24-02-2023		1.7 Plant, break down, preventive, scheduled maintenance & its importance, Doubt clearing class on above chapter			
9		5th Week	28-02-2023	7	2.0 Operations Research			
10	1st Week	02-03-2023	2.1 Introduction to operations research					
11		03-03-2023	2.2 Applications of operation research					
12		03-03-2023	2.3 Define linear programming problem					
13	2nd Week	09-03-2023	2.4 Evaluation of project completion time by critical path method & PERT					
14		10-03-2023	2.5 Explain distinct features of PERT w.r.t CPM					
15		10-03-2023	2.6 Simple Problems, Doubt clearing class on above chapter					
16	3rd Week	14-03-2023	10	3.0 Inventory Control				
17		16-03-2023		3.1 Classification of inventory				
18		17-03-2023		3.2 Objective of inventory control				
19		17-03-2023		3.3 Describe the functions of inventories				
20		17-03-2023		3.4 Benefits of inventory control				
21	4th Week	21-03-2023		3.5 Costs associated with inventory				
22		23-03-2023		3.6 Terminology in inventory control				
23		24-03-2023		3.7 Explain & derive economic order quantity for basic model.internal examination				
24		24-03-2023		3.8 Define & explain ABC analysis,revision on internal exam question.				
25	5th Week	28-03-2023		3.9 Solve numericals, Doubt clearing class on above chapter				
26		31-03-2022	8	4.0 Inspection & Quality Control				
27		31-03-2022		4.1 Define inspection & quality control				
28	2nd Week	04-04-2023		4.2 Describe planning of inspection				
29		06-04-2023	4.3 Decribe types of inspection					

30	APRIL	3rd Week	11-04-2023	13	4.4 Advantages & Disadvantages of quality control			
31			13-04-2023		4.5 Study of factors influencing the quality of manufacture			
32		4th Week	18-04-2023		4.6 Explain the concept of statistical quality control, control charts (X,R,P&C-charts			
33			20-04-2023		4.7 Methods of attributes			
34			21-04-2023		4.8 Concept of ISO 9001-2008			
35			21-04-2023		4.9.1 Quality management system, registration/certification procedure			
36		5th Week	25-04-2023		4.9.2 Benefits of ISO to the organisation			
37			27-04-2023		4.9.3 JIT, Six sigma, 7S, Lean manufacturing			
38			28-04-2023		4.9.4 Solve related problems, Doubt clearing class on above chapter			
39			28-04-2023		5.0 Production Planning & Control			
40	MAY	1st Week	02-05-2023	10	5.1 Introduction			
41			04-05-2023		5.2 Major functions of production planning & control			
42		2nd Week	09-05-2023		5.3 Methods of forecasting			
43			11-05-2023		5.3.1 Routing, Scheduling, Dispatching, Controlling			
44			12-05-2023		5.4 Types of production			
45			12-05-2023		5.4.1 Mass production			
46		3rd Week	16-05-2023		5.4.2 Batch production			
47			18-05-2023		5.4.3 Job order production			
48		4th Week	23-05-2023		5.5 Principles of product & process planning , Doubt clearing class on above chapter			


 Abhoy Mohanta
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