

INDUSTRIAL ENGINEERING & QUALITY CONTROL

JHARSUGUDA ENGINEERING SCHOOL		
NAME OF FACULTY –Puja Swain/Prakash Kumar Samal		ACADEMY YEAR:2021-22
SUBJECT NO.:Th.1		COURSE NAME:IEQC
Semester:6th		BRANCH:MECHANICAL
PROGRAMME NAME: DIPLOMA		SECTION:M2

sl no.	period	unit	duration	topic to be covered	teaching method
1	1	1	55 min	plant location and layout:introduction	black board & chalk
2	2	1	55 min	describe features governing plant location.	black board & chalk
3	3	1	55 min	plant layout	black board & chalk
4	4	1	55 min	describe the objectives and principles of plant	black board & chalk
5	5	1	55 min	explain process layout,product layout	black board & chalk
6	6	1	55 min	combination layout	black board & chalk
7	7	1	55 min	oral test	black board & chalk
8		2	55 min	OPERATIONS RESEARCH:	black board & chalk
9	6	2	55 min	Introduction and appliation	black board & chalk
10	7	2	55 min	define linear programming problem.	black board & chalk
11	8	2	55 min	solution to LPP by graphical method	black board & chalk
12	9	2	55 min	numericals	black board & chalk
13	10	2	55 min	critical path method and PERT	black board & chalk
14	11	2	55 min	NUMERICALS	black board & chalk
15	12	2	55 min	NUMERICALS	black board & chalk
16	13	2	55 min	NUMERICALS	black board & chalk
17	14	2	55 min	class test	black board & chalk
		3	55 min	INVENTORY CONTROL:	black board & chalk
18,19	15	3	55 min	Classification of intentory	black board & chalk
20	16	3	55 min	objective of inventory control	black board & chalk
21	17	3	55 min	describe functions of inventories	black board & chalk
22	18	3	55 min	explain and derive EOQ	black board & chalk
23	19	3	55 min	Numericals	black board & chalk
24	20	3	55 min	Numericals	black board & chalk
25	21	3	55 min	define and explain ABC analysis	black board & chalk
26	22	3	55 min	class test	black board & chalk
		4	55 min	PLANT MAINTENANCE	black board & chalk
27	22	4	55 min	objective of plant maintenance	black board & chalk
28	23	4	55 min	describe duties,functions and responsibilities of plant maintenance department	black board & chalk
29	24	4	55 min	type of maintenance:	black board & chalk
30	25	4	55 min	preventive,breakdown	black board & chalk
31	26	4	55 min	scheduled ,preventive maintenance	black board & chalk
		5	55 min	INSPECTION AND QUALITY CONTROL	black board & chalk
32	27	5	55 min	Define inspection and quality control	black board & chalk
33	28	5	55 min	describe planning of inspection	black board & chalk

34	29	5	55 min	types of inspection	black board & chalk
35	30	5	55 min	factors influencing the quality of manufacture	black board & chalk
36	31	5	55 min	concept of ststistical quality control	black board & chalk
37	32	5	55 min	control chart:	black board & chalk
38	33	5	55 min	X-chart	black board & chalk
39	34	5	55 min	R-chart	black board & chalk
40	35	5	55 min	P-chart	black board & chalk
41	36	5	55 min	C-chart	black board & chalk
42	37		55 min	NUMERICALS	black board & chalk
43	38		55 min	Class test	black board & chalk
44	39	6	55 min	CONTEMPORARY QUALITY MANAGEMENT CO	black board & chalk
45	40	6	55 min	concept-TOQ	black board & chalk
46	41	6	55 min	ISO-9000/14000,Concept and evaluation & im	black board & chalk
47	42	6	55 min	JIT	black board & chalk
48	43	6	55 min	SIX Sigma	black board & chalk
49	44	6	55 min	7s	black board & chalk
50	45	6	55 min	lean manufacturing	black board & chalk
51	46	6	55 min	NUMERICALS	black board & chalk
52	47	6	55 min	class test	black board & chalk
53	50		55min	revision	black board & chalk
54	51		55min	revision	black board & chalk
55	52		55min	revision	black board & chalk
56	53		55min	revision	black board & chalk