

RAJA KISHORE CHANDRA ACADEMY OF TECHNOLOGY

NILGIRI,BALASORE

DEPARTMENT OF MECHANICAL ENGINEERING

LESSON PLAN

SUBJECT- INDUSTRIAL ENGG.& MANAGEMENT

SEMESTER-6TH

NAME OF THE FACULTY- ER. GAGAN KUMAR SINGH

SESSION-

BRANCH – MECHANICAL ENGINEERING

UNIT	DATE	LECTURE NO.	TOPIC TO BE COVERED
1		1	REQUIREMENT OF AN INDUSTRY, CRITERIA FOR SELECTION OF A SITE FOR AN INDUSTRY
		2	DEFINITION, OBJECTIVES& PRINCIPLES OF PLANT LAYOUT
		3	PROCESS, PRODUCT & COMBINATION LAYOUTS,TECHNIQUES TO IMPROVE LAYOUT
		4	DESCRIPTION OF DIFFERENT MATERIAL HANDLING PRINCIPLES
		5	IMPORTANCE OF PLANT MAINTAINANCE,BREAKDOWN MAINTAINANCE
		6	PREVENTIVE MAINTAINANCE,SCHEDULED MAINTAINANCE
		7	OPERATION RESEARCH & ITS APPLICATION
		8	CONCEPT ON LINEAR PROGRAMMING PROBLEM,LINEAR PROGRAMMING PROBLEM BY GRAPHICAL METHOD
		9	RELATED PROBLEM SOLVING
2		10	CONCEPTOF CPM & PERT
		11	PROBLEMS FOR EVALUATION OF PROJECT COMPLETION TIME
		12	Test & REVISION OF UNIT 1
		13	Test & revision of unit 2
		14	Discussion of important questions
		15	PROBLEMS FOR EVALUATION OF PROJECT COMPLETION TIME
		16	DIFFERENCE BETWEEN PERT&CPM
3		17	DEFINITION, CLASSIFICATION & OBJECTIVE OFINVENTORY
		18	REVISION OF NUMERICALS
		19	FUNCTIONS OF INVENTORIES,INVENTORY CONTROL & ITS BENEFITS

		20	COSTS ASSOCIATED WITH INVENTORY,TERMINOLOGIES USED IN INVENTORY CONTROL
4		21	CONCEPT OF ECONOMIC ORDER QUANTITY FOR BASIC MODEL
		22	PROBLEMS ON ECONOMIC ORDER QUANTITY
		23	Performance test
		24	CONCEPT ON INSPECTION & QUALITY CONTROL,
		25	REVISION OF NUMERICALS
		26	REVISION OF NUMERICALS
		27	DESCRIPTION OF PLANNING OF INSPECTION,TYPES OF INSPECTION
		28	Revision & test on unit 2
		29	TYPES OF INSPECTION
		30	ADVANTAGES AND DISADVANTAGES OF QUALITY CONTROL
		31	REVISION OF UNIT 3
		32	REVISION OF UNIT 3
		33	STUDY OF FACTORS INFLUENCING THE QUALITY OF MANUFACTURE
		34	CONCEPT OF STATISTICAL QUALTY CONTROL
		35	CONTROL CHARTS(X CHART)
		36	CONTROL CHARTS(X CHART)
		37	CONTROL CHARTS(R CHART)
		38	CONTROL CHARTS(R CHART)
		39	CONTROL CHARTS(P CHART)
		40	CONTROL CHARTS(C & P CHART)
		41	CONTROL CHARTS(C CHART)
		42	CHARTS
		43	METHODS OF ATTRIBUTES

		44	REVISION OF UNIT 4
		45	REVISION OF UNIT 4
5		46	Concept of ISO 9001-2008 & Benefits of ISO to the organization
		47	Quality management system, Registration /certification procedure
		48	JIT,SIX SIGMA
		49	7S,LEAN MANUFACTURING
		50	REVISION OF UNIT 4
		51	REVISION OF UNIT 4
		52	Explanation of production planning & control & its functions
		53	Concept on forecasting & its methods
		54	Types of production
		55	Principles of product planning & process planning
		56	Test & revision of unit 5
		57	DISCUSSION OF IMPORTANT QUESTION
		58	PREVIOUS SEMESTER QUESTION DISCUSSION
		59	PREVIOUS SEMESTER QUESTION DISCUSSION
		60	PREVIOUS SEMESTER QUESTION DISCUSSION
SIGNATURE OF FACULTY MEMBER SIGNATURE OF H.O.D.			