

INDUSTRIAL MANAGEMENT

Name of the Course: DIPLOMA IN ENGINEERING/ TECHNOLOGY (SUBJECT TITLE: INDUSTRIAL MANAGEMENT)		
Course Code:		Semester: Six
Duration:	8 Weeks	Maximum Marks: 100 Marks
Teaching Scheme:		Examination Scheme:
Theory:	4 Hrs/ Week	Semester Exam: 70 Marks
Tutorial:	Nil	Teacher's Assessment (Assignment 7 Quiz):
Practical:	Nil	
Credit:	3	Internal Assessment: 20 Marks
Aim:		
	To study the techniques for improvement in productivity of the people and equipment. to plan the production schedule accordingly organize material supply for the manufacturing activities. To minimize the direct and indirect cost by optimizing the use of resources available. To learn accounting process, inventory control and process planning. Modern manufacturing system employ techniques such as JIT, TPM , FMS, 5'S', kaizen which should be known to the technician.	
Objectives:		
S No.	The student will able to	
1	Familiarize environment in the world of work	
2	Explain the importance of management process in Business.	
3	Identify various components of management	
4	Describe Role & Responsibilities of a Technician in an Organizational Structure.	
5	Apply various rules and regulations concerned with Business & Social Responsibilities of the Technician	
Pre-requisite: Nil		
	Contents	Hrs/ Week
Chapter	Name of the topic	Hours
GROUP: A		
01	Overview Of Business 1.1 Types of Business <ul style="list-style-type: none"> ○ Service ○ Manufacturing ○ Trade 1.2 Industrial sectors Introduction to <ul style="list-style-type: none"> ○ Engineering industry ○ Process industry ○ Textile industry ○ Chemical industry ○ Agro industry 	02
02	Management Process 2.1 What is Management? <ul style="list-style-type: none"> ○ Evolution 	04

	<ul style="list-style-type: none"> ○ Various definitions ○ Concept of management ○ Levels of management ○ Administration & management ○ Scientific management by F.W.Taylor <p>2.2 Principles of Management (14 principles of Henry Fayol)</p> <p>2.3 Functions of Management</p> <ul style="list-style-type: none"> ○ Planning ○ Organizing ○ Directing ○ Controlling <p>2.4 social responsibility and Environmental dimension of management.</p>	
GROUP: B		
03	<p>Organizational Management</p> <p>3.1 Organization:-</p> <ul style="list-style-type: none"> ○ Definition ○ Steps in organization <p>3.2 Types of organization</p> <ul style="list-style-type: none"> ○ Line ○ Line & staff ○ Functional ○ Project <p>3.3 Departmentation</p> <ul style="list-style-type: none"> ○ Centralized & Decentralized ○ Authority & Responsibility ○ Span of Control 	04
04	<p>Human Resource Management</p> <p>4.1 Personnel Management</p> <ul style="list-style-type: none"> ○ Introduction ○ Definition ○ Objectives ○ Functions <p>4.2 Staffing</p> <ul style="list-style-type: none"> ○ Introduction to HR Planning ○ Recruitment Procedure <p>4.3 Personnel- Training & Development</p> <ul style="list-style-type: none"> ○ Types of training ○ Induction ○ Skill Enhancement <p>4.4 Leadership & Motivation</p> <ul style="list-style-type: none"> ○ Maslow's Theory of Motivation 	05
GROUP: C		
05	<p>Financial Management</p> <p>5.1 Financial Management- Objectives & Functions</p> <p>5.2 Capital Generation & Management</p> <ul style="list-style-type: none"> ○ Types of Capitals 	04

	○ Sources of raising Capital	
06	Materials Management 6.1 Inventory Management (No Numerical) ○ Meaning & Objectives 6.2 ABC Analysis 6.3 Economic Order Quantity(EOQ) 6.4 Stores function, Stores system, BIN card, Materials issue request(MIR), Pricing of materials ○ Introduction & Graphical Representation 6.5 Purchase Procedure ○ Objects of Purchasing ○ Functions of Purchase Dept. ○ Steps in Purchasing	04
07	Safety Engineering 7.1 Accidents-causes of accidents 7.2 Need for safety	01
Total		24
Reference books: Nil		
Suggested List of Assignments/Tutorial: (Any Two)		
<ol style="list-style-type: none"> 1. Preparation of financial budget of any organization. 2. Preparation of chart for fire safety. 3. Preparation of chart for personal, Tools & Equipments and products safety. 4. Preparation of chart to avoid accident. 5. Preparation of chart to show the different financial ratios. 6. Preparation of chart to show the different types of organization. 		