

DRONACHARYA

College of Engineering

KHENTAWAS, FARRUKHNAGAR, GURGAON, HR

Department: Mechanical Engineering

Academic Session: 2017-18 (Jan-June 2018)

Lesson Plan for the Semester started w.e.f 08.01.2018

Subject with code: Industrial Engg. (ME-312-F)

Name of Faculty with designation : Mr. Vineet Mishra --Head(ME)

S.No.	Month	Date & Day	Sem-Class	Section/Unit	Topic/Chapter covered	Academic activity	Test / assignment
1	January	10.01.2018 Wednesday	VI-ME-I	A	Introduction to self, DCE teaching methodology, Syllabus contents.	.....	Assignment of 02 Ques. given
2	January	12.01.2018 Friday	VI-ME-I	A	Definition of Industrial Engineering: Objectives, Method study, Principle of motion economy, Techniques of method study - Various charts.	.....	Assignment of 02 Ques. given
3	January	17.01.2018 Wednesday	VI-ME-I	A	Work measurement - various methods, time study PMTS, determining time, Work sampling.	.....	Assignment of 02 Ques. given
4	January	19.01.2018 Friday	VI-ME-I	A	Productivity & Workforce Management Productivity - Definition, Various methods of measurement.	.....	Assignment of 02 Ques. given
5	January	24.01.2018 Wednesday	VI-ME-I	A	Factors effecting productivity, Strategies for improving productivity, Various methods of Job evaluation & merit rating.	.....	Assignment of 02 Ques. given
6	January	31.01.2018 Wednesday	VI-ME-I	A	Various incentive payment schemes, Behavioural aspects, Financial incentives.	.....	Assignment of 02 Ques. given
7	February	02.02.2018 Friday	VI-ME-I	B	Manufacturing Cost Analysis: Fixed & variable costs, Direct, indirect & overhead costs, & Job costing, Recovery of overheads, Standard costing.	.....	Assignment of 02 Ques. given
8	February	07.02.2018 Wednesday	VI-ME-I	B	Cost control, Cost variance Analysis - Labour, material, overhead in volume, rate & efficiency.	.....	Assignment of 02 Ques. given
9	February	09.02.2018 Friday	VI-ME-I	B	Break even Analysis, Marginal costing & contribution.	.....	Assignment of 02 Ques. given
10	February	21.02.2018 Wednesday	VI-ME-I	B	Materials Management : Strategic importance of materials in manufacturing industries, Relevant costs	.....	Assignment of 02 Ques. given
11	February	23.02.2018 Friday	VI-ME-I	B	Inventory control models - Economic order quantity (EOQ), Economic batch quantity (EBQ) with & without shortage, Purchase discounts, Sensitivity analysis.	.....	Assignment of 02 Ques. given

S.No.	Month	Date & Day	Sem-Class	Section/Unit	Topic/Chapter covered	Academic activity	Test / assignment
12	February	28.02.2018 Wednesday	VI-ME-I	B	Inventory control systems - P,Q,Ss Systems, Service level, Stock out risk, determination of order point & safety stock	.....	Assignment of 02 Ques. given
13	March	07.03.2018 Wednesday	VI-ME-I	B	Selective inventory control - ABC, FSN, SDE, VED and three dimensional.	.....	Assignment of 02 Ques. given
14	March	09.03.2018 Friday	VI-ME-I	C	Quality Management: Definition of quality, Various approaches, Concept of quality assurance systems.	.....	Assignment of 02 Ques. given
15	March	14.03.2018 Wednesday	VI-ME-I	C	Costs of quality, Statistical quality Control (SQC), Variables & Attributes, X, R, P & C - charts, Acceptance sampling, OC - curve, Concept of AOQL.	.....	Assignment of 02 Ques. given
16	March	16.03.2018 Friday	VI-ME-I	C	Sampling plan - Single, Double & sequential, Introduction to TQM & ISO - 9000.	.....	Assignment of 02 Ques. given
17	March	28.03.2018 Wednesday	VI-ME-I	C	Production Planning & Control (PPC) : Itrouction to Forecasting - Simple & Weighted moving average methods, Objectives & variables of PPC	.....	Assignment of 02 Ques. given
18	April	04.04.2018 Wednesday	VI-ME-I	C	Aggregate planning - Basic Concept, its relations with other decision areas, Decision options - Basic & mixed strategies, Master production schedule (MPS).	.....	Assignment of 02 Ques. given
19	April	06.04.2018 Friday	VI-ME-I	C	Scheduling Operations Various methods for line & intermittent production systems, Gantt chart.	.....	Assignment of 02 Ques. given
20	April	11.04.2018 Wednesday	VI-ME-I	C	Sequencing - Johnson algorithm for n-Jobs-2 machines, n- Jobs-3 machines, 2 Jobs n-machines, n-Jobs m-machines.	.....	Assignment of 02 Ques. given
21	April	13.04.2018 Friday	VI-ME-I	C	Various means of measuring effectiveness of PPC, Introduction to JIT.	.....	Assignment of 02 Ques. given
22	April	25.04.2018 Wednesday	VI-ME-I	D	Management Information Systems (MIS) : What is MIS ? Importance of MIS, Organizational & information system structure, Role of MIS in decision making, Data flow diagram.	.....	Assignment of 02 Ques. given
23	April	27.04.2018 Friday	VI-ME-I	D	Introduction to systems analysis & design, Organizing information systems.Product Design and Development: Various Approaches, Product life cycle,	.....	Assignment of 02 Ques. given
24	April	30.04.2018 Monday	VI-ME-I	D	Role 3S's - Standardization, Simplification, Specialization.Introduction to value engineering and analysis, Role of Ergonomics in Product Design.	.....	Assignment of 02 Ques. given