Industrial Management (100 Marks- 75 Lectures)

Objectives: To acquaint the students with knowledge about industrial management, industrial productivity and total quality management

Unit – I: INTRODUCTION TO INDUSTRIAL MANAGEMENT: (10 Marks-5 Lectures)


Unit – II: INDUSTRIAL PRODUCTIVITY: (35 Marks-27 Lectures)

b) Work Study: Concept of Work Study – Advantages of Work Study.
Method study- Importance and steps in method study
c) Rationalisation: Meaning of Rationalisation – Aspects of Rationalisation. (i) Technological aspect (ii) Financial aspect (iii) Human aspect (iv) Organizational aspect – Need for Rationalisation of Indian Industries – Steps initiated by Government of India to facilitate Rationalisation.

Unit – III: TOTAL QUALITY MANAGEMENT: (25 Marks-16 Lectures)

Concept of TQM – Principles of TQM – Benefits of TQM .
Analytical methods – (i) Critical Path Method – Process and advantages of Critical Path Method(ii) Force Field Analysis – Driving and restraining forces, decision making(iii) Failure Mode and Effect Analysis –Meaning and steps in Failure Mode and effect Analysis
ISO-9000-Concept, Standards and guidelines. (in brief)
Definition of safety – Objectives of Safety Management.
Industrial Accidents – Causes of Accidents (a) Mechanical causes (b) Human Causes
Code of practices for accident prevention.
Effects of Industrial accidents on employers, workers and society.
Concept of Occupational Safety – (i) Occupational Health- Concept and legal provisions regarding health (ii) Occupational environment.
Factors affecting Work Environment - Lighting, air, ventilation, temperature, water, sanitation and noise.
Occupational Hazards - Biological Hazards, Chemical Hazards and Psychological Hazards.
Industrial Pollution - Causes, Effects and measures for pollution control.
ISO- 14000- Meaning, ISO 14000 certification, organizational evaluation and product evaluation. (in brief)
OHSAS 18000- (Occupational Health and Safety Standards) - (In brief)

Books for Study and Reference:

6) James Lundy, Effective Industrial Management-, Eurasia Publishing House(Pvt.) Ltd. New Delhi
7) Martand Telsang, Industrial and Business Management-, S Chand & Company Ltd. New Delhi
10)N.G.Kale, M.Ahmed, Industrial Management, Vipul Prakashan, Mumbai