

**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)

Concept of Industrial Management – Industrial Management Process – Importance of Industrial Management .

Meaning of Scientific Management- Principles of Scientific Management-Benefits and criticisms of Scientific Management.

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

a) Meaning of Productivity: Factors affecting Industrial Productivity – Significance of higher Industrial Productivity — Suggestions for Productivity improvement-Role of National Productivity Council.

b) Work Study: Concept of Work Study – Advantages of Work Study.

Method study- Importance and steps in method study

Work Measurement – Importance and steps in work measurement. Work Measurement Techniques- (in brief) Predetermined Time Study, Work Sampling, Synthesis and Analytical Estimating

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 .

Methods of TQM – Management methods (i) Benchmarking - Meaning, Types of Benchmarking, Steps in Benchmarking Process(ii) Deming Wheel – Steps in Deming Wheel(iii) Just in time- Objectives and Characteristics of Just in Time (iv) Quality Circles-Concept and features of Quality Circles.

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)

Unit – IV: INDUSTRIAL SAFETY:

(30 Marks – 27 Lectures)

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**
- 8) Dr. Neeru Vasishth, Students Guide to Business Organisation-, Taxmann Allied Services Pvt. Ltd.New Delhi**
- 9) A.S. Deshpande, Industrial Organisation and Management –, Vora & Co Publishers Pvt. Ltd. Mumbai.**
- 10)N.G.Kale, M.Ahmed, Industrial Management, Vipul Prakashan, Mumbai**

