

# INDUSTRIAL MANAGEMENT

Written by Administrator  
Wednesday, 04 November 2009 07:50 -

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**Subject Code**

:

**06ME81**

**IA Marks**

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25

**No. of Lecture Hrs./ Week**

:

04

**Exam Hours**



## Unit - 1

**Introduction:** Historical perspective, contribution of Taylor, Henry Fayol, Gilbert, Charles Babbage, Henry Gantt to the evolution of management science in the Indian context. Ownership of Industries Proprietorship, partnership, joint stock companies, public and private undertakings, co-operative organizations

**6 Hours**

## Unit - 2

**Quality philosophy:** The Meaning of Quality and Quality Improvement; Brief History of Quality Methodology; Statistical Methods for Quality Control and Improvement; Total Quality Management (quality philosophy, links between quality and productivity, quality costs legal aspects of quality implementing quality improvement). Definitions and aims of standardizations, techniques for standardization (Statistical Principles, Codification system, variety control and value Engineering).

**8 Hours**

## Unit - 3

**Statistical Process Control:** Chance and assignable causes, Statistical Basis of the Control Charts -basic principles, choices of control limits, significance of control limits, control limits,

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analysis of pattern on Variable attribute control charts ( no numericals)

**6 Hours**

**Unit - 4**

**Work study, incentives, Health and safety:** Work study-Motion study and Method time study, principles of motion economy, charts and diagrams, Job evaluation systems, Multi skilling, Wage payment and plans, Incentive schemes, Training and Development, Safety Regulations and safe practices.

**6 Hours**

**PART - B**

**Unit - 5**

**Motivation and Behavior:** Hawthorns studies and its findings Maslows theory X and Y theory, Immaturity theory motivation hygiene theory, Pretence of needs and satisfaction of needs, goal oriented behavior, integration of organizational goals and needs of employee.

## 6 Hours

### Unit - 6

**Management and Behavioral Approach:** Contribution of Elton Mayo and Skinner to behavior sciences. Skills of a manager at various levels in an organization and inter-related systems, understanding past behavior, predicting future behavior, directing, changing and controlling behavior.

## 6 Hours

### Unit - 7

**Process Management:** Definition of process management. Major process decisions-process choice, vertical integration, resource flexibility, customer involvement, capital intensity, relationships between decisions, service operation, economics of scoop and gaining focus. Designing process-process rearranging and process improvement

## 7 Hours

## Unit - 8

**Management of Technology:** Meaning and role of technology-primary areas of technology management, management of technology and its role in improving business performance. Creating and applying technology-R and D stages and technology fusion. Technology strategy.

Implementation guidelines.

## 7 Hours

### TEXT BOOKS:

1. **Principles of Management**, Koontz O Donnel,"Mc.Graw Hill Intl.Book Co.
2. **Statistical Quality Control:** E.L. Grant and R.S. Leavenworth, 7th edition, McGraw- Hill publisher

### REFERENCE BOOKS:

1. **Essentials of management**, Koontz Weirich,TATA McGraw Hill Intl. Book Co., 7<sup>th</sup> Edition.

2. **Management of Organizational Behaviour**, Hersey Paul and Kenneth H," PHI.
  
3. **Operations management-strategy and analysis**, Lee J.Krajewski and Larry P. Ritzman, Fifth Edition Addison-Wiley.
  
4. **Organizational Behaviour**, Stephen P Robbins, 9<sup>th</sup> Edition, Pearson Education Publications, ISBN-81-7808-561-5 2002