

(Following Paper ID and Roll No. to be filled in your Answer Books)

**PAPER ID :****Roll No.**

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**B.TECH.****Theory Examination (Semester-VI) 2015-16****INDUSTRIAL MANAGEMENT****Time : 3 Hours****Max. Marks : 100****SECTION A**

(2×10=20)

- 1) Attempt all parts. Write answer of each part in short.
- a) What are the applications of Industrial Management?
- b) Explain the term Process Control.
- c) What is Flow diagram?
- d) What is role of Work study in improving Productivity?
- e) Explain Productivity Index.
- f) What do you mean by standard time?
- g) Define method study. What are its objectives?
- h) What is meant by economic order quantity?
- i) What do mean by central line, upper control Limit and Lower control limit?
- j) What is Sequential Acceptance Sampling?

**SECTION B**

(10×5=50)

- 2) Attempt any five questions from this section.
- a) Write detailed note on development and scope of Industrial Management.
- b) Discuss the need, construction and applications of control charts for variables.
- c) Define Productivity. Explain different types of production systems with appropriate examples.
- d) Explain the steps required in making Time study.
- e) State and explain the objectives, importance of production planning. Do you consider outsourcing is a part of production planning? Explain.
- f) Explain solid waste management and describe various methods of coping with solid waste.
- g) What do you understand by Supply Chain Management? Explain different components of Supply chain.
- h) Explain the difference between Quality and Total Quality Management.

**SECTION C**

(15×2=30)

Attempt any two questions from this section.

- 3) a) Define Production Planning and state its objectives. What are the various steps in production planning?  
b) Define Inventory Control with its objectives and importance. Explain quantitative technique with EOQ model. How Economic Order Quantity (EOQ) is derived?
- 4) a) What are the advantages and limitations of Statistical Quality Control?  
b) Explain classification, need and various costs involved with Inventory.
- 5) a) What do you understand by water pollution ? What are its sources? How can we control it? Discuss.  
b) Describe the various methods of control of industrial pollution.