

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

Paper ID :

Roll No.

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B. Tech

(SEM. VI) THEORY EXAMINATION, 2015-16

INDUSTRIAL MANAGEMENT

[Time:3 hours]

[Total Marks:100]

SECTION-A

1. Attempt **all** parts. Write answer of **each part** in short. (2×10=20)
- (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

2. Attempt **any five** questions from this section. (10×5=50)
- (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

Note : Attempt **any two** questions from this section. (15×2=30)

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.

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