

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.

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- (d) 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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