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B.TECH
(SEM VI) THEORY EXAMINATION 2019-20
INDUSTRIAL MANAGEMENT

Time: 3 Hours

Total Marks: 70

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt all questions in brief. 2 x 7 = 14

- a. Define industrial management.
- b. Compose the formula of Productivity index.
- c. Compute Average Stock level with the help of given data: Max. Stock is 1500 units, Min. Stock is 600 Units.
- d. Define re-ordering level.
- e. Define FSN.
- f. Define the sampling plan and its types.
- g. Define two dimensions of Quality.

SECTION B

2. Attempt any three of the following: 7 x 3 = 21

- a. Differentiate between single ownership & partnership? Explain different types of partners.
- b. Outline the 14 principles under the administrative theory by Henry Fayol.
- c. Explain various techniques of Method Study.
- d. Explain various functions of PPC.
- e. Evaluate the usefulness of statistical quality control.

SECTION C

3. Attempt any one part of the following: 7x1=7

- a. Define intermittent and continuous production systems in detail.
- b. Industrial Management sees the delivery of right goods of right quantity at right place”, Examine the statement with scope and applications of it.

4. Attempt any one part of the following: 7x1=7

- a. Summarize the functions of Human Resource Management.

- b. Summarize Scientific Management by Taylor.

5. Attempt any *one* part of the following:

7x1=7

- a. Explain various flows in Supply chain management.
- b. The annual demand of an item is 1200 parts. The company produces 100 parts per day. The unit cost is Rs. 10 and the inventory carrying cost is 25% per annum. If the cost of one procurement (ordering cost) is Rs. 100. Calculate
- EOQ
 - Time between two consecutive orders
 - Numbers of order per year
 - The optimal cost

6. Attempt any *one* part of the following:

7x1=7

- a. Examine the benefits of TQM.
- b. Summarize various types of Control charts for variables and attributes with formulae.

7. Attempt any *one* part of the following:

7x1=7

- a. Differentiate PERT & CPM.
- b. Explain five basic phases of project management.