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Sub Code: NHU 601

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Roll No:

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B TECH
(SEM-VI) SEMESTER EXAMINATION 2017-18
INDUSTRIAL MANAGEMENT

Time: 3 Hours

Total Marks: 100

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

SECTION - A

1. Attempt all questions in brief.

2X10 = 20

- a) Define productivity and formula to measure it.
- b) What are the applications of Industrial management?
- c) Write any five important uses of productivity measurements.
- d) Enlist any two symbols of process charts?
- e) Differentiate between Inventory and stocks.
- f) Define method study. What are its objectives?
- g) Discuss the different types of quality costs?
- h) What is meant by SQC, describe its importance?
- i) Define JIT with example.
- j) Explain the Concept & Different parameters of quality

SECTION - B

2. Attempt any five parts of the following:

10X3=30

- a) Explain in detail the "Scientific approach" to Management and how it is helpful for organization?
- b) Is production management different from operations management? Describe the intermittent and continuous production system.
- c) Discuss the different types of ownership. Distinguish between limited and unlimited liability.
- d) Explain the different costs involved in inventory models? Derive the expression for economic order quantity, when the demand of items is uniform Model, the production rate is infinite and no stock-outs are allowed.
- e) Describe the method of constructing variable charts and attribute charts? And explain how these charts help in determining "Lack of Control"?

SECTION - C

3. Attempt any one part of the following

10X1=10

- a) Explain the different types of inventory control techniques.
- b) What is a control chart? Discuss the types of control charts for variables.

4. Attempt any one part of the following:

10X1=10

- a) Give a historical view on Industrial Management? Also explain the recent developments, taken place in the field of IM.
- b) Mention the importance of EOQ for any organization.

5. **Attempt any *one* part of the following:** **10X1=10**
- a) Demarcate between the Administrative & Bureaucratic principles management.
 - b) What is acceptance sampling? Describe the single, double and sequential sampling procedures.
6. **Attempt any *one* part of the following:** **10X1=10**
- a) "Supply chain is the network of autonomous and semi-autonomous business entities." Comment.
 - b) Explain total quality Management. Discuss various statistical tools used for quality control and improvement.
7. **Attempt any *one* part of the following:** **10X1=10**
- a) Define the term production planning. State its objectives. What are the various steps involved in production planning and control?
 - b) Joint Stock Company does not suffer from the limitations of capital and Management. Justify.