

Roll No.

Total No. of Pages : 02

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B.Tech. (ME) (Sem.-6)

**INTRODUCTION TO INDUSTRIAL MANAGEMENT**

Subject Code : BTME604-18

M.Code : 79653

Date of Examination : 16-05-2024

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

**1. Write briefly:**

- (a) What are the activities Industrial Engineer has to perform in an organization?
- (b) Enumerate the qualities of an Industrial Engineer.
- (c) Enumerate the salient features of TQC.
- (d) Explain the need for product planning.
- (e) Enumerate the salient features of scheduled maintenance.
- (f) Explain the objectives of inventory control.
- (g) Enumerate the functions of purchasing department.
- (h) Why do the organizations adopt this technique?
- (i) How do organizations address customer complaints to improve customer satisfaction?
- (j) How does JIT manufacturing system lead to waste reduction?

## SECTION-B

2. Define Industrial engineering. Explain in brief various function of Industrial engineering?
3. Explain requirements of a good product design.
4. Describe the duties, functions and responsibilities of plant maintenance department.
5. Define benchmark process. Explain the types of benchmarking studies conducted a benchmarking study in an organization.
6. Illustrate the various steps involved in customer satisfaction process.

## SECTION-C

7. (a) What are roles and responsibilities of top management of an organization in developing and implementing TQM concepts in an organization?  
(b) Discuss in detail about the basic concepts of quality. Explain the dimensions of total quality management.
8. (a) Elaborate the concept of Product Life Cycle Management.  
(b) Define purchasing. Discuss the procedure for purchasing in an organization.
9. (a) Define Just-in-time manufacturing. Elaborate upon the traits of JIT manufacturing system.  
(b) **Write a short note on any one of the following:**
  - (i) Break even analysis.
  - (ii) Organization for maintenance.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**