

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (ME) (Sem.-6)
INTRODUCTION TO INDUSTRIAL MANAGEMENT

Subject Code : BTME604-18

M.Code : 79653

Date of Examination: 29-05-2023

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) Enlist any four objectives of an industrial engineering.
- b) What are the elements of TQM?
- c) What are the dimensions of service quality?
- d) What conditions would you keep in mind while empowering people in the context of TQM?
- e) Explain the effect of product design on cost of the product.
- f) What is meant by maintenance planning?
- g) Explain the objectives of purchasing.
- h) Define direct, indirect and overhead costs.
- i) What are the benefits of Benchmarking?
- j) Define predictive maintenance and state its benefits.

SECTION-B

2. What is the role of Industrial Engineering in the context of manufacturing / service organizations? Discuss.
3. Enumerate the various factors that are required in an effective and good product design.
4. Explain breakeven analysis with neat chart. What are assumptions made in breakeven analysis? What are different applications of breakeven analysis?
5. Explain the objectives and principals of preventive maintenance.
6. What is meant by benchmark process? Explain the steps involved in conducting a benchmarking study in an organization.

SECTION-C

7.
 - a) What do you understand by Just-in-time manufacturing? How does JIT manufacturing system lead to waste reduction and worker involvement?
 - b) What is Product Life Cycle? Elaborate the phases of life cycle with suitable example.
8.
 - a) Discuss the activities, duties and functions of purchasing department.
 - b) Discuss the customer complaint redressal mechanism adopted in the organizations.
9.
 - a) Explain the common customer feedback collection tools giving their advantages.
 - b) Write a short note on ABC analysis with the help of an illustrative example.

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.