

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

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

Subject Code : BTME-604-18

M.Code : 79653

Date of Examination : 09-07-22

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) Discuss the relevance of Total Quality Management in today's competitive world.
- b) What is the Input-output model in the production system?
- c) Explain the effect of product design on manufacturing cost.
- d) What do you understand by the term-Breakeven analysis?
- e) Name different buying techniques used in the organization.
- f) Enumerate the importance of predictive maintenance.
- g) Enlist the different types of waste in manufacturing organizations?
- h) What is the JIT cause and effect chain?
- i) Define benchmarking and elaborate its concept.
- j) Name the different methods of data collection from of customers.

SECTION-B

2. In today's highly competitive and fast-changing environment, how industrial engineering helps to increase industrial productivity? Justify your answer with suitable examples.
3. Can there be a product design for disassembling? Where could this concept be useful? Justify your answer for such a design.
4. Would purchasing in the service industry differ from purchasing in the manufacturing industry? Discuss with suitable examples.
5. Does benchmarking help a firm to be proactive? Explain your answer. Give one example of each of the different types of benchmarking.
6. Can total customer satisfaction be achieved while a company is also aiming for key business results? Is there a conflict between these two goals? Discuss.

SECTION-C

7. a) *'Poor maintenance of plant and machinery leads to various losses in the industry'*. What are these losses? Discuss briefly.
b) Discuss in detail the objectives and responsibilities of the plant maintenance department.
8. a) What is the function of safety stock or buffer stock? What are all the different uncertainties against which you would like to protect the inventory?
b) What is the role of set-up times in-JIT? How should they be reduced? Discuss in detail.
9. Write a short note on **any two** of the following :
 - a) Concept of Production and Production function
 - b) Salient features of Total Quality Management
 - c) ABC Analysis.

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.