

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

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

Subject Code : BTAE 604-18

M.Code : 79288

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) Define Industrial Engineering.
- b) What do you mean by total quality management?
- c) What is the difference between TQM and TQC?
- d) What is Product Design?
- e) Explain breakeven analysis.
- f) Enumerate the objectives of inventory control.
- g) Enumerate the responsibilities of plant maintenance department in an organization.
- h) Define materials management.
- i) How does JIT manufacturing lead to waste elimination?
- j) Define the different types of customer needs.

SECTION-B

2. Discuss the role of an Industrial engineer in an organization.
3. Explain various types of production systems and discuss their salient features, advantages and limitations.
4. What is Product Life Cycle? Explain with suitable example.
5. What do you understand by JIT Manufacturing? Explain the steps involved in JIT manufacturing.
6. Discuss the necessity of Benchmarking. Explain step wise procedure for Benchmarking.

SECTION-C

7.
 - a) What are the factors for achieving excellence in a manufacturing and service organizations?
 - b) Discuss PDCA cycle of total quality control.
8.
 - a) Discuss the salient features and applications of various purchasing strategies adopted by organizations.
 - b) Explain the characteristic features, advantages, disadvantages and applications of Preventive maintenance function in an organization.
9.
 - a) What is ABC method of inventory control? How it is different from conventional inventory control?
 - b) Discuss the procedure adopted for ascertaining the customer complaints. Also, describe the mechanism adopted for redressal of customer complaints.

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.