

[Total No. of Questions - 9] [Total No. of Printed Pages - 3]
(2125)

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B. Tech 6th Semester Examination
Industrial Engineering (OS)
ME-6005

Time : 3 Hours

Max. Marks : 100

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt five questions in all. Selecting one question from each of the section A, B, C, D. Section E is compulsory.

SECTION - A

1. (a) Why organizations prepare their organization structure? Does it play any role in achieving organizational objectives?
(b) What contributions Industrial Engineering can provide to an organization? (10+10=20)
2. (a) What are incentives and Premium Bonus system? Explain them with right detail.
(b) Out of authority and responsibility, which one play instrumental in the performance uplifting of an organization. You can take suitable example of an organization. (10+10=20)

SECTION - B

3. (a) Which perceptions of Industrial Engineering contributes in the area product design and development and how?

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- (b) Does Industrial Engineering play any role in the life cycle of a product, how? (10+10=20)
4. (a) Which are the main services that Industrial Engineering offers to the customer in terms of product R& D?
(b) What are the different types of fits and tolerances considered in Industrial Engineering studies? (10+10=20)

SECTION - C

5. (a) Does any difference exist among the terms Product Quality and Product Functional Value?
(b) What will happen if organizations will not manage and control their inventory? (10+10=20)
6. Why it is inconvenient to manufacture products:
(a) Under Batch production on Product layout?
(b) Under Mass production on Fixed position layout?
Give your justification with suitable examples, if satisfied or not. (10+10=20)

SECTION - D

7. Attempt any Two questions:
(a) Do you think implementation of Production Planning and Control activities in an organization affects the concepts "Method Study" and "Work Measurement".
(b) In which phase of Product life cycle Work study contributes and how?
(c) What will happen if organizations will not manage and control their inventory? (10+10=20)

8. Does below mentioned issues create any effect on the economic performance of an organization. Explain & Justify?
- (a) Distinctive Capability of an Organization.
 - (b) Economic Order Quantity.
 - (c) Types of Production.
 - (d) Types of Plant Layout. (20)

SECTION - E

9. Give your views about the below mentioned issues:
- (a) Does the nature of production in an organization is governed by its layout?
 - (b) How does Industrial Engineering help an organization to achieve competitive advantage?
 - (c) Which are the situations that you feel responsible for generating competition in the market?
 - (d) How does competition affect the growth of an organization?
 - (e) If an organization has to rank its priorities out of below mentioned options
 - (i) Efficiency (ii) Effectiveness (iii) Productivity. What order you will suggest and why? (20)