

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

May-26-0394

ME-704 (Industrial Engineering & Production Management)
B.Tech. 7th (CBCS)

Time : 3 Hours

Max. Marks : 60

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, select one question each from section A, B, C & D. Section E (question 9) is compulsory.

SECTION - A

1. Why organizations prepare their organization structure? Does it play any role in achieving organizational objectives? (10)

OR

2. What contributions Industrial Engineering can provide to an organization? (10)

SECTION - B

3. Do you think implementation of Production Planning and Control activities in an organization affects the concepts "Method Study" and "Work Measurement"? (10)

OR

4. What are incentives and Premium Bonus system? Explain them with right detail. (10)

SECTION - C

5. Answer all the questions.

- a. What do you understand by Human Factors? What is its scope? (5)

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- b. Write us the difference between bio-thermodynamics and bioenergetics. (5)

OR

6. Answer all the questions.

- a. Explain simple exponential smoothing method of forecasting demand. What are its limitations? (5)
- b. What is the Delphi method, explain in detail? Describe its main advantages and limitations. (5)

SECTION - D

7. Attempt all the questions:

- a. What will happen if organizations will not manage and control their inventory? (5)
- b. In which phase of Product life cycle Work study contributes and how? (5)

OR

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

(4×2½=10)

[P.T.O.]

SECTION - E (Compulsory)

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?
- (5×4=20)