

19 APR 2023

Reg. No.

Question Paper Code

11783

B.E. / B.Tech. - DEGREE EXAMINATIONS, APRIL/MAY 2023

Eighth Semester

Production Engineering

PR8005 – PRODUCTION MANAGEMENT

(Regulations 2017)

Duration: 3 Hours

Max. Marks: 100

**PART - A (10 × 2 = 20 Marks)**

Answer ALL Questions

- |   | <i>Marks,<br/>K-Level, CO</i> |
|---|-------------------------------|
| 1. Define Management.                           | 2,K1,CO1                      |
| 2. Compare formal and informal organization.    | 2,K2,CO1                      |
| 3. Differentiate Q and P model.                 | 2,K2,CO3                      |
| 4. What are the different types of inventories? | 2,K1,CO3                      |
| 5. Define Plant location.                       | 2,K1,CO4                      |
| 6. What are the objectives of method study?     | 2,K1,CO4                      |
| 7. What is balance sheet?                       | 2,K1,CO5                      |
| 8. What are the four types of capital?          | 2,K1,CO5                      |
| 9. Define Marketing.                            | 2,K1,CO6                      |
| 10. What are the marketing variables?           | 2,K1,CO6                      |

**PART - B (5 × 13 = 65 Marks)**

Answer ALL Questions

11. a) Explain Henri Fayol's 14 principles of management. 13,K2,CO1
- OR**
- b) With example, briefly explain the various functions of management. 13,K2,CO1
12. a) The annual demand for an item is 3200 units. The unit cost is Rs 6 and inventory carrying cost is estimated as 25% per annum. If the cost of one procurement is Rs 150, determine (i) Economic order quantity (ii) Number of orders per year (iii) Time between two consecutive orders and (iv) Optimal cost. 13,K3,CO3
- OR**
- b) What do you mean by ABC analysis? Explain about it in detail. 13,K2,CO3

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create

11783

13. a) Explain the various plant layouts with neat sketches. Also give the advantages and disadvantages of various plant layouts. 13,K2,CO4

**OR**

b) Explain the various steps involved in value analysis. 13,K2,CO4

14. a) Describe in detail the components of a balance sheet with examples. 13,K2,CO5

**OR**

b) What do you mean by financial management? Describe the objectives and functions of financial management. 13,K2,CO5

15. a) Explain in detail about types of packaging and packaging materials. 13,K2,CO6

**OR**

b) Explain the various market research methods in detail. 13,K2,CO6

**PART - C (1 × 15 = 15 Marks)**

16. a) Explain the various functions of Personnel Management. 15,K2,CO2

**OR**

b) What is Trade Union? Explain the various functions of Trade Union. 15,K2,CO2