122698 **DCBB-501**

V Semester B.B.A. Degree Examination, December/January - 2025/26
(NEP Scheme Freshers & Repeaters)
BUSINESS ADMINISTRATION
Production and Operations Management
Paper - 5.1

HORIZON COLLEGE LIBRARY KASTURINAGAR BANGALORE-43

Time : 2½ Hours **Maximum Marks : 60**

Instructions **:**

Answers should be written in English only.

SECTION - A

Answer any FIVE of the following sub-questions. Each sub-question carries 2 marks. **(5×2=10)**

1. a) Define Productivity.

b) What is Capacity Planning?

c) State any two objectives of Production Planning.

d) What do you mean by Routing?

e) Mention any two advantages of Job Production.

f) What is Quality Circle?

g) State any two features of Mass Production.

SECTION - B

Answer any THREE of the following questions. Each question carries 4 marks. **(3×4=12)**

2. Explain the objectives and importance of Production Planning and Control.

3. Discuss the types of production systems with examples.

4. Explain the role of Operations Manager in manufacturing organizations.

5. What are the factors influencing Product Design?

6. Write a short note on Kaizen and 5S concepts.

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SECTION - C

Answer any THREE of the following questions. Each question carries 10 marks. **(3×10=30)**

7. Explain the concept and process of Capacity Planning in Production Management.
8. Discuss in detail the various stages of Production Planning and Control.
9. Explain the principles and objectives of Plant Layout. Describe its types with examples.
10. Discuss the importance of Work Study and explain the techniques used in Method Study and Time Study.
11. Explain how Lean Manufacturing improves efficiency in Production Systems.

SECTION - D

Answer the following question. carries 8 marks. **(1×8=8)**

12. Case Study:

    a) A manufacturing firm is struggling with low productivity and frequent machine breakdowns. The management is planning to implement Lean Manufacturing and Kaizen for continuous improvement.

        i. Identify the causes of low productivity.

        ii. Suggest how Lean techniques and Kaizen principles can help improve the situation.

    b) How does efficient resource planning help in managing the complex supply chain of fabrics and accessories to ensure timely production?