(FOR THE CANDIDATES ADMITTED DURING THE ACADEMIC YEAR 2024 ONLY)

24UBM409

REG.NO. :

N.G.M.COLLEGE (AUTONOMOUS) : POLLACHI
END-OF-SEMESTER EXAMINATIONS : APRIL - 2026

B.B.A **MAXIMUM MARKS: 75**
SEMESTER: IV **TIME : 3 HOURS**

PART - III
PRODUCTION & MATERIALS MANAGEMENT

SECTION – A (10 X 1 = 10 MARKS)

ANSWER THE FOLLOWING QUESTIONS.
MULTIPLE CHOICE QUESTIONS. (K1)

1. Which of the following is a primary factor considered in plant location decisions?
   a) Employee cafeteria preferences b) Proximity to raw materials and markets
   c) Color of the factory building d) Brand logo design
2. What does the acronym TQM stand for in production management?
   a) Total Quantity Manufacturing b) Time Quality Measurement
   c) Total Quality Management d) Technical Quality Method
3. Which of the following is a fundamental objective of the purchasing function in materials management?
   a) To maximize inventory holding costs b) To ensure timely availability of quality materials at the right price
   c) To reduce the number of vendors to one d) To eliminate inspection procedures
4. Which principle of material handling emphasizes reducing the distance and effort involved in moving materials?
   a) Principle of automation b) Principle of shortest distance / minimum movement
   c) Principle of maximum manual handling d) Principle of random routing
5. In ABC analysis of inventory control, 'A' category items are typically characterized as:
   a) Low value, high quantity items b) Moderate value and moderate quantity items
   c) High value, low quantity items d) Obsolete or slow-moving items

ANSWER THE FOLLOWING IN ONE (OR) TWO SENTENCES. (K2)

6. Differentiate process layout and product layout in one key aspect.
7. Explain what routing determines in production planning.
8. Summarize any one principle of purchasing.
9. Interpret the principle of 'unit load' in material handling.
10. Interpret why 'A' category items receive priority in ABC analysis.

SECTION – B (5 X 5 = 25 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K3)

11. a) Apply the factors of plant location to suggest why a textile mill may prefer a rural location. Give two reasons.

(OR)

b) Use the principles of plant layout to recommend a suitable layout for a car assembly unit. State two advantages.

(CONTD…….2)

12. a) Apply the concept of routing to list the sequence of operations for making a simple notebook.

(OR)

b) Use the idea of scheduling to plan daily production activities for a small bakery.

13. a) Apply the steps in purchasing function to show how a school would buy textbooks. List the steps in order.

(OR)

b) Illustrate the principles of purchasing and explain how a restaurant selects food suppliers.

14. a) Apply the criteria for selection of material handling equipment to suggest suitable equipment for moving cartons in a warehouse.

(OR)

b) Illustrate the concept of preventive maintenance by giving two routine checks for material handling equipment.

15. a) Employ ABC analysis to categorize three stationery items and justify each classification with one reason.

(OR)

b) Use the concept of reorder point to explain when a shop should place a new order for stock.

SECTION – C (5 X 8 = 40 MARKS)

ANSWER EITHER (a) OR (b) IN EACH OF THE FOLLOWING QUESTIONS. (K4 (Or) K5)

16. a) Analyze how the principles of plant layout influence material flow efficiency by examining two layout types with industry examples. K4

(OR)

b) Examine the trade-offs between urban and rural plant locations by analyzing four location factors for a manufacturing unit. K4

17. a) Evaluate the contribution of benchmarking and TQM to production quality improvement. Justify with four specific mechanisms. K5

(OR)

b) Assess the interdependence of routing, loading, and scheduling in production control. Support with four coordination points. K5

18. a) Analyze the advantages of integrated materials management by examining its impact on four functional areas of an organization. K4

(OR)

b) Differentiate the objectives of purchasing from its functions by examining how each contributes to materials management effectiveness. K4

19.a) Evaluate the importance of material handling principles in reducing operational costs. Justify with four principle-based arguments. K5

(OR)

b) Criticize the suitability of preventive maintenance versus productive maintenance for ensuring equipment reliability in a continuous production environment. K5

20.a) Analyze how FSN analysis complements ABC analysis in storekeeping decisions by examining four classification scenarios. K4

(OR)

b) Examine the role of storekeeping functions in maintaining inventory accuracy by examining four key responsibilities of a stock keeper. K4

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ETHICAL PAPER