

KAMARAJ COLLEGE (Autonomous)

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(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

(3 Pages)

Reg. No:.....

Question Code:26E02608

Course Code : 24UMBA32/24UMSL32

UG Degree - End Semester Examinations, April 2026

Third Semester

B.B.A /B.B.A Shipping and Logistics

Production and Materials Management

(For those who joined in July 2024 onwards)

Time: 3Hours

Maximum: 75 Marks

PART - A (10 × 1 = 10 Marks)

Answer ALL Questions

Choose the correct answer:

- CO:1 1. _____ is the process by which raw materials and other inputs are
K:1 converted into finished goods.
- (a) Inventory (b) Logistics
(c) Production (d) Supply chain
- CO:1 2. What is the primary goal of selecting appropriate materials,
K:1 machines and manpower in production planning?
- (a) Maximizing production output (b) Minimizing production costs
(c) Optimizing product quality (d) Balancing production capacity
- CO:2 3. In which of the following layout type, materials are fed into the
K:1 first machine and finished products come out of the last machine?
- (a) Product layout (b) Process layout
(c) Fixed position layout (d) Cellular manufacturing layout
- CO:2 4. Which technique is used to evaluate the efficiency of a plant
K:1 layout?
- (a) Gantt Chart (b) Travel chart
(c) Control chart (d) Break Even Analysis
- CO:3 5. Which symbol is used for "Inspection" in a process chart?
K:1
- (a) Circle (b) Arrow
(c) Square (d) D-shape

- CO:3 6. The sequence of Quality Assurance (QA) steps typically starts
K:1 with_____.
- (a) Material control (b) Customer needs
(c) Process control (d) Final inspection
- CO:4 7. The name for an order size that minimizes inventory ordering and
K:1 carrying costs is_____.
- (a) Order point (b) Safety stock
(c) EQO (d) EOQ
- CO:4 8. Belt conveyor is used to transfer material for_____.
- K:1 (a) Long distance (b) Short distance
(c) Both A and B (d) None of the above
- CO:5 9. Purchasing is mainly concerned with_____.
- K:1 (a) Selling products (b) Hiring employees
(c) Buying goods and (d) Manufacturing machines
services
- CO:5 10. "Supplier Scorecard" is another term for_____.
- K:1 (a) Vendor selection (b) Vendor rating
(c) Vendor onboarding (d) Procurement audit

PART - B (5 X 5 = 25 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 250 words.

- CO:1 11. (a) Describe the nature of production.

K:3 **(OR)**

(b) Explain the process of product design.

- CO:2 12. (a) Identify the principles of layout.

K:3 **(OR)**

(b) Experiment the types of layouts.

- CO:3 13. (a) State the objectives of work study.

K:2 **(OR)**

(b) Outline the benefits of quality control.

- CO:4 14. (a) Interpret the scope of materials management.

K:2 **(OR)**

(b) Summarize the functions of inventory.

CO:5 15. (a) Illustrate the process of purchase.

K:2 **(OR)**

(b) Explain the criteria for vendor evaluation.

PART - C (5 X 8 = 40 Marks)

Answer ALL Questions choosing either (a) or (b).

Answer should not exceed 500 words.

CO:1 16. (a) Elaborate the types of production system.

K:5 **(OR)**

(b) Determine the factors affecting the plant location.

CO:2 17. (a) Analyze the importance of layout.

K:4 **(OR)**

(b) Discover the factors affecting plant layout.

CO:3 18. (a) Examine the techniques used in method study.

K:4 **(OR)**

(b) Discuss in detail about the statistical quality control.

CO:4 19. (a) Explain the methods of inventory control.

K:5 **(OR)**

(b) Describe the types of material handling equipments.

CO:5 20. (a) Explain the methods of purchasing.

K:5 **(OR)**

(b) Criticize the factors affecting vendor rating.