

D 105293

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Name.....

Reg. No.....

SECOND SEMESTER M.B.A. DEGREE EXAMINATION, JULY 2024

(CUCSS)

M.B.A.

BUS 2C 12—OPERATION MANAGEMENT

Time : Three Hours

Maximum : 36 Weightage

*Answer all the parts.***Part A***Answer all questions.**Each question carries 1 weightage.*

1. What are the different production systems ?
2. What are the principles of stores management ?
3. What are the steps in material requirement planning ?
4. What is budgeting ?
5. Name material handling equipment.
6. What are the dimensions of quality ?

(6 × 1 = 6 weightage)

Part B*Answer any four questions.**Each question carries 3 weightage.*

7. How does acceptance sampling help in monitoring and maintaining the quality of product and services ?
8. Give an example of line balancing.
9. What is the main drawback of ISO 9000 ?
10. Illustrate control in mass production system with the suitable example.
11. Explain product capacity planning model.
12. Write brief note on 'Outsourcing'.

(4 × 3 = 12 weightage)

Turn over

Part C

Answer any **three** questions.

Each question carries 4 weightage.

13. Explain maintenance management.
14. How is production planning and control implemented in batch production ?
15. An assembly line has a total of 8 hours available time in a shift. The employees working the shifts have a half hour lunch break and two fifteen minute tea breaks each shift. The machines also require ten minutes per shift in basic maintenance. At the start of each working day, the supervisor spends ten minutes talking to the staff and setting goals for the shift ahead.

Calculate the available time to work for the line and Takt time for 100 units per day.

16. Explain ERP solutions and it's functionalities in operations management.
17. From the following data, you are required to calculate break-even point and net sales value at this point :

	Rs.
Direct material cost per unit	10
Direct labour cost per unit	5
Fixed overheads	50,000
Variable overheads @ 60% on the direct labour	
Selling price per unit	25
Trade discount	4 %

If sales are 10 % and 25 % above the break even volume, determine the net profits.

(3 × 4 = 12 weightage)

Part D

18. Answer the *compulsory* question (6 weightage) case study :

A company is evaluating Mysore and Bangalore as alternative location for a new plant to manufacture small-business computers. The following rating factors and scores have been prepared.

Consider the following order size :

Location Factor	Factor	Location	
	Weight	Mysore	Bangalore
Cost per computer	0.60	Rs. 40,000	Rs. 45,000
Cost of Living	0.10	0.60	0.60
Labour availability .	0.10	0.70	0.70
Union activities	0.15	0.40	0.60
Proximity to similar industry	0.10	0.70	0.50
Local transportation systems	0.05	0.70	0.70

Which location would you recommend ? Why ? What are the advantages and disadvantages of the method you have applied to compare the two alternative locations ?

(1 × 6 = 6 weightage)