

BACHELOR OF BUSINESS ADMINISTRATION
FIFTH SEMESTER [SPECIAL REPEAT]
FUNDAMENTALS OF PRODUCTION
AND OPERATIONS MANAGEMENT
BBA – 501

SET
A

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

(Objective)

Marks: 20

1 × 20 = 20

Choose the correct answer from the following:

- In which production system high volumes of standardized output are produced?
 - Project Production
 - Job Shop Production
 - Continuous Production
 - Intermittent Production
- _____ technology is a process technology suitable for a narrow range of standardized products in high volumes.
 - Batch
 - Continuous
 - Assembly Line
 - None of the Above
- Which one is *NOT* the component of Production and Operations?
 - Inventory management
 - Factory Layout decision
 - Salary negotiation
 - None of the Above
- Production Manager must have _____ on wastages.
 - Check
 - Control
 - Watch
 - None of the above
- In manufacturing organization, when the product are potential of being damaged or spoiled in course of transportation it is beneficial to establish plant _____ to market.
 - Far
 - Farthest
 - Close/Near
 - None of the above
- Materials should be made available at right quantity, right place, right price and at right _____.
 - Cost
 - Time
 - Share
 - None of the Above
- A _____ is something which is offered to customers to satisfy their needs or wants.
 - Process
 - Product
 - Price
 - Promotion
- The competitive advantage in the production function can be achieved through _____.
 - High wastage
 - More Cost
 - Lowest Quality
 - Higher Quality
- Production management refers to the application of Management principles to the _____ in a factory.
 - Production Function
 - Inventory Function
 - Marketing Function
 - Supply Chain Function

10. _____ is the process in which resources or inputs are converted into more useful products.
- | | |
|-------------------------|--------------------------|
| a. Inventory Management | b. Logistics Management |
| c. Materials Management | d. Operations Management |
11. Kaizen philosophy propagates,
- | | |
|---------------------------|-----------------|
| a. Minimum wastage | b. Cost Cutting |
| c. Continuous improvement | d. Forecasting |
12. _____ defines production as 'a process by which goods and services are created'.
- | | |
|------------------|--------------|
| a. Edward Deming | b. FW Taylor |
| c. Edwood Buffa | d. Juran |
13. _____ production are characterized by manufacturing of one or few quantity of products designed and produced as per the specification of customers within prefixed time and cost.
- | | |
|---------------------|--------------------------|
| a. Batch Production | b. Continuous Production |
| c. Job shop | d. None of the above |
14. _____ a process that makes use of statistics and data analysis to analyze and reduce errors or defects.
- | | |
|-----------------------|----------------------|
| a. Lean Management | b. Six Sigma |
| c. Zero Defect Policy | d. None of the above |
15. The main purpose of _____ is creating value to the customer by optimizing resources.
- | | |
|--------------------|------------------------|
| a. Lean management | b. Workflow Management |
| c. Six Sigma | d. Kaizen |
16. _____ exercise determines how an activity's tangible fixed assets best support achieving the activity's objectives
- | | |
|-----------------------------|----------------------|
| a. Job Planning | b. Labour Planning |
| c. Facility Layout Planning | d. None of the above |
17. _____ is a concept referring to business activities that continuously improve all functions and involve all employees.
- | | |
|-----------|----------------------|
| a. TQM | b. Six Sigma |
| c. Kaizen | d. None of the Above |
18. The time period between placing an order its receipt in stock is known as
- | | |
|---------------|------------------|
| a. Lead Time | b. Buffer Time |
| c. Order Time | d. Delivery time |
19. Which of the following is true for Inventory control?
- | | |
|---|---|
| a. Economic order quantity has minimum total cost per order | b. Inventory carrying costs increases with quantity per order |
| c. Ordering cost decreases with lot size | d. All of the above |
20. Which of the following is not an inventory?
- | | |
|---------------------|------------------------|
| a. Raw Materials | b. Semi Finished Goods |
| c. Consumable tools | d. Machines |

(Descriptive)

Time : 2 Hr. 30 Mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. Enumerate various components of Production and Operations management? Differentiate between Production and Operations Management. 7+3=10
2. Describe a Process. Discuss the importance of process management in organization. 3+7=10
3. Let us assume that a new medical facility, Health-care, is to be located by the organization where you're presently working. The location factors, factor rating and scores for two potential sites are shown in the following table. 6+4=10

S/n	Location Factor	Weighted Factor Rating	Rating (1-5)	
			Location 1	Location 2
1	Facility utilization	12	4	3
2	Permission from authority	20	3	5
3	Availability of Skilled	12	2	4
4	Proximity to city	18	2	5
5	Total patient per month	10	3	1
6	Average time per emergency	7	3	2
7	Land and construction costs	15	4	5
8	Approach Road	6	4	4

A team of experts rated the Locations from 1-5 on the basis of their desirability. Which is the best location based on factor rating method? Suggest. List out major determining factors affect a decision regarding Plant/Facility location.

4. Elucidate the Principles of Layout & types of Layout. Write on importance of Layout Planning. 7+3=10
5. Describe the steps involved in Production Planning and Control. Throw light on the factors determining Production Planning & Control with suitable example 4+6=10
6. Discuss the factors associated with inventory management. What are the major benefits of inventory management? 4+6=10

7. Write Short Notes on: (*Any four*)

2.5×4=10

- a) Kanban
- b) Lean Management
- c) Batch Production
- d) Kaizen
- e) Cross Docking
- f) Buffer Stock
- g) Job Shop Production

8. Define Inventory management. Describe the major types of inventory techniques?

4+6=10

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