

NOVEMBER 2024

72249/BB25C

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Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer any TEN questions in about 30 words each.

Write short notes on the following.

1. Process planning.
2. Operations management.
3. Product layout.
4. Functional layout.
5. Stationary layout.
6. Stock control.
7. JIT.
8. Reorder point.
9. Work measurement.
10. Performance rating.

11. Acceptance sampling.

12. Service delivery.

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions in about 200 words each.

13. Describe the nature of operations management.
14. Explain the fundamental factors of selling and buying for considered in deciding about the location of plant.
15. What objectives should be kept in mind while deciding the layout of a manufacturing plant? Explain.
16. What is inventory model? Enumerate the different types of inventory models.
17. What is lead time? Explain the various activities occurring during lead time.
18. Describe the various recording aids used in method study.
19. Explain the basic concepts of service operations management.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions in about 500 words each.

20. Elucidate the procedure of production design and process planning manufacturing process.
21. Explain the principles of good layout. State the factors which should be kept in mind while deciding upon a suitable type of plant layout.
22. Discuss the advantages and limitations of Economic Batch Quantity (EBQ) production model.
23. Explain in detail the fundamentals of inspection. List out the essential steps for inspection.
24. Elucidate functions of service facility location and service delivery.