APRIL 2026 **72283/350C6C**

Time : Three hours Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer any TEN questions in about 30 words each

1. Define production management.
2. What is production design?
3. Define plant location.
4. Define plant layout.
5. What is fixed position layout?
6. Define method study.
7. What do you mean by control charts?
8. Define time study.
9. What is work environment?
10. Define material management.
11. Define the term MRP.
12. What is purchase management?

SECTION B — ($5 \times 5 = 25$ marks)

Answer any FIVE questions in about 200 words each

13. Discuss the scope of production management.

14. Classify different types of production systems. Explain.

15. Write down the principles of good plant layout.

16. What are the basic steps involved in conduction a method study?

17. Briefly explain predetermined motion time systems. Where it is used?

18. Write down the structure of integrated materials management.

19. Explain the importance of material demand forecasting in production planning.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions in about 500 words each

20. Discuss the stages involved in process planning.

21. Elucidate the types of plant layout.

22. Explain the techniques and procedures of work measurement.

23. Explain and enumerate the basic tools of inventory control.

24. What is vendor rating? Explain its purpose and importance in evaluating supplier performance.

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