

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

Which of the following is not an input for the production process?

- (a) Time
- (b) Labour
- (c) Materials
- (d) Power

_____ production is a combination of mass and job production.

- (a) Continuous
- (b) Process
- (c) Batch
- (d) Assembly line

Method study and time study together is known as _____ study.

- (a) Motion
- (b) Work
- (c) Fatigue
- (d) Micro motion

Repair work taken after the failure of machine refers to _____ maintenance.

- (a) Preventive
- (b) Predictive
- (c) Break down
- (d) Planned

MRP is the abbreviated form of _____

- (a) Materials Requisition Planning
- (b) Materials Registration Planning
- (c) Materials Reconciliation Planning
- (d) Materials Requirement Planning

The purpose of safety stock is to _____

- (a) Replace failed unit with good ones
- (b) Eliminate the possibility of stock out
- (c) Eliminate inventory tally
- (d) Control demand during lead time

3. _____ layout has the best utilization of machines.

- (a) Process
- (b) Product
- (c) Fixed
- (d) Office

4. Weber's theory of industrial location is based on _____

- (a) Raw materials
- (b) Air pollution
- (c) Productivity
- (d) Profitability

5. _____ file contains important information regarding items that flow through the shops.

- (a) Master
- (b) Control
- (c) Routing
- (d) Loading

6. _____ is the sequence of operations through which a product must pass.

- (a) Routing
- (b) Scheduling
- (c) Critical path
- (d) PERT

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) State the Six P's of production function.

Or

(b) What are the advantages of job production?

12. (a) List out the objectives of plant location.

Or

(b) Mention the disadvantages of functional layout.

13. (a) What are the steps involved in scheduling?

Or

(b) Describe the inputs for CRP process.

14. (a) Explain the objectives of method study.

Or

(b) Discuss the causes of equipment break down.

15. (a) List out the objectives of MRP.

Or

(b) Explain the limitation of EOQ.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) What are the problems faced in production management?

Or

(b) Explain the characteristics of continuous production system.

17. (a) Discuss the factors related to manufacturing that influences the plant location.

Or

(b) Distinguish between product and process layout.

18. (a) How do you reduce scheduling problems?

Or

(b) Explain the causes of production delay.

19. (a) Describe the objectives of work measurement.

Or

(b) Discuss the different forms of preventive maintenance.

20. (a) Explain the advantages of combined materials management.

Or

(b) Discuss the general procedure for implementing ABC technique.