C–6438

M.B.A. DEGREE EXAMINATION, APRIL 2022

Second Semester

Industry Integrated

OPERATIONS MANAGEMENT

(2017 onwards)

Duration : 3 Hours   Maximum : 75 Marks

Part A $(10 \times 2 = 20)$

Answer all questions.

1. Define operation management.

2. What is plant location concept?

3. Give the meaning of inventory control system.

4. What do you mean by pareto analysis?

5. What is MRP?

6. Define sequencing problems.

7. Define TQM.

8. What do you mean by ISO?

9. Give the meaning for exponential smoothing.

10. What is regression analysis?

Part B   (5 × 5 = 25)

Answer **all** questions.

11. (a) Enumerate the challenges of operation management.

Or

(b) Discuss the factors affecting location decision and technique.

12. (a) How does quantity discount affect EOQ?

Or

(b) What are P and Q inventory control system? And what is the differences between P model and Q model of inventory?

13. (a) How does an MRP system work? Explain its advantages.

Or

(b) What is sequencing problem? Explain its types of analysis.

14. (a) Explain the various quality management tools.

Or

(b) Discuss the barriers of TQM.

15. (a) Explain the steps involved in product development process.

Or

(b) What do you mean by quality assurance? And explain the elements of quality assurance.

2   C–6438

Part C   (3 × 10 = 30)

Answer **all** questions.

16. (a) What is forecasting? Why it is important in operation management?

Or

(b) Enumerate the various types of plant layout. And state its characteristics.

17. (a) Explain the inputs to MRP and various MRP outputs. List the benefits of MRP.

Or

(b) Enumerate the merits and demerits of pareto analysis.

18. (a) Discuss the elements of ISO-9000, quantity system. And explain the steps to be followed in implementing quality system 9000.

Or

(b) How do companies use the just in time method? Explain its pros and cons.

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3   C–6438