Time: Three hours

Maximum: 75 marks

PART A — $(10 \times 1 = 10 \text{ marks})$

Answer any TEN questions

- 1. Define quality control.
- 2. What are prevention costs?
- 3. Mention the need for control chart.
- 4. What is value engineering?
- 5. What do you mean by standard tolerance?
- 6. Expand the term AOQL.
- 7. What is zero defect?
- 8. What is TQC?.
- 9. Give the use of quality audit.
- 10. Why do you need ISO 9000?
- 11. What is value analysis?
- 12. Name any two costs of failure.

PART B — $(5 \times 5 = 25 \text{ marks})$

Answer any FIVE questions

- 13. Explain the elements of TQM.
- 14. List out the advantages of statistical quality control.
- 15. How do you prevent defects?
- 16. Bring out various quality motivation techniques.
 - 17. What are the benefits of quality circles?
 - 18. Trace out the problems in quality cost measurement.
 - 19. Find out the types of sampling plans.

PART C —
$$(4 \times 10 = 40 \text{ marks})$$

Answer any FOUR questions

- 20. What are the dimensions of service quality?
- 21. How do you construct a control chart?
- 22. Write a detailed essay on ABC analysis.

- 23. Describe the purpose of a quality management system.
- 24. Mention the elements of environment management system.
- 25. Give the historical development of quality activities.