

1998

April 2025

Time - Three hours
(Maximum Marks: 100)

[N.B.]

1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (a) or (b) in Part-B. Each question carries 14 marks.]

PART - A

1. What is job order production?
2. Differentiate cost control and cost reduction.
3. List out the obstacles for implementing TQM.
4. What is brainstorming?
5. Write about cause and effect diagram.
6. Write about affinity diagram.
7. Define mode.
8. Write any three comparisons between variable and attribute chart.
9. Write the objectives of implementing JIT.
10. Write short note on Overall Equipment Effectiveness (OEE).

[Turn over.....]

PART - B

11. (a) Explain make or buy decision using break even analysis.
(Or)
(b) Prepare a operational planning sheet for the production of L-clamp.
12. (a) (i) Discuss about the duties and responsibilities of quality council. (7)
(ii) Write about Juran trilogy. (7)
(Or)
(b) Describe the seven steps to strategic planning.
13. (a) (i) Explain the construction of pareto diagram with suitable example. (10)
(ii) Write short notes on zero defect concept. (4)
(Or)
(b) Explain the construction of following diagrams: (7+7)
(i) Inter relationship diagram
(ii) Decision tree diagram
14. (a) Explain the concept of six sigma.
(Or)
(b) Discuss about the construction of X bar and R chart.
15. (a) Explain about benchmarking process with its types.
(Or)
(b) Write about TPM process with its objectives. How it has been implemented?
