

WCMP 03

World Class Manufacturing Practices

Roll No.

Total No. of Printed Pages: 1

Total No. of Questions: 08

(Duration – 3 hours)

Maximum Marks: 60

Note: Answer any six questions. All questions carry equal marks (10 each)

- Q1. Explain the concepts and Philosophy behind TQM (Total Quality Management) and steps to be taken for the implementation of TQM in an organization.
Which are the pillars of TQM?
- Q2. What are the various QC Tools? Explain any three of them in detail.
- Q3. Explain the philosophy and concepts behind Lean Manufacturing and describe steps recommended for effective implementation of Lean principles in an organization
- Q4. Explain the basic philosophy and salient features of Toyota Production System (TPS) and describe vital elements of TPS
- Q5. Write brief Notes on any two of the following:
- Importance of Employee Involvement in achieving World Class standards in manufacturing
 - Visual Controls
 - OEE (Overall Equipment Effectiveness)
- Q6. What the concepts behind JIT and what are the Advantages and Limitations of Just In Time (JIT) approach in Manufacturing
- Q7. What are the various types of "wastes" encountered in Manufacturing and what are the ways to minimize their impact on the manufacturing costs and cycle time
- Q8. Write brief notes on any two of the following:
- Advantages and Limitations of Mass Production
 - TQM
 - Six Sigma