

WCMP 03

Roll No.

Total No. of Printed Pages: 1

Total No. of Questions: 8

(Duration – 3 hours)

Maximum Marks: 60

Note: Answer any five questions. All questions carry equal marks (12 each)

- Q1. Explain the concepts and Philosophy behind TPM (Total Productive Maintenance); Explain the terms MTBF, MTTR, OEE and how these are measured
- Q2. What is the philosophy behind the Just In Time approach? What are the advantages and Limitations of Just In Time (JIT) approach in Manufacturing?
- Q3. What are the various QC Tools? Explain any three of them in detail.
- Q4. Explain the basic philosophy behind Toyota Production System (TPS) and describe vital elements of TPS
- Q5. Explain the concepts and Philosophy behind TQM (Total Quality Management), which are the pillars of TQM? Describe the steps to be taken for the implementation of TQM in an organization.
- Q6. Write brief Notes on any two of the following:
 - SMED
 - Poka-Yoke
 - Six Sigma
- Q7. Explain the philosophy and concepts behind Lean Manufacturing and describe steps recommended for effective implementation of Lean principles in an organization
- Q8. What are the various facets of "Good Quality" expected by a customer? Does Good Quality necessarily imply higher cost?