

Operations
World Class Manufacturing Practice

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WCMP 03

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

(Duration – 3 hours)

max. Marks : 60

* Roll No. :

- Q1. Explain the concepts and Philosophy behind TPM (Total Productive Maintenance); What are various types of maintenance? Explain the term OEE and how OEE is measured
- Q2. Describe various QC Tools and their applications
- Q3. Describe steps recommended in Systematic Problem Solving Process and indicate QC tools which are appropriate for various steps
- Q4. Explain the basic philosophy behind 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 in manufacturing standards
 - Importance of Continuous Improvement and Innovations
 - Advantages and disadvantages of Mass Production
- Q6. 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:
- SMED
 - Poka-Yoke
 - Kaizens
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