

VPM's
DR VN BRIMS, Thane
Programme: MMS (2013-15)
Third Semester Examination October/November 2014

MMS-III Subject <u>Operations</u>	World Class Manufacturing (WCMP 03)		
Roll No.		Marks	60 Marks
Total No. of Questions	7	Duration	3 Hours
Total No. of printed pages	1	Date	06.11.2014

Note: Q1 is compulsory and solve any FOUR from the remaining SIX questions.

Q1) 20 Marks (Compulsory)

Explain in detail the steps recommended for problem solving
What are the various QC tools?
Describe in detail any 3 QC tools with suitable examples

Attempt Any FOUR from the Remaining SIX Questions

Q2) Any two from (a) or (b) or (c) ————— (5x2) = 10 Marks

- Which are the pillars of TPM?
- What are the various types of Maintenance?
- Explain with an example the terms MTBF, MTTR and OEE

Q3) Any two from (a) or (b) or (c) ————— (5x2) = 10 Marks

- What are the various types of "wastes" encountered in manufacturing?
- Explain in detail the concepts of SMED and the steps for reducing set up time
- What are Kaizens and the benefits of introducing Kaizen Culture in an organization?

Q4) Any two from (a) or (b) or (c) ————— (5x2) = 10 Marks

- Write Brief Note on TQM and pillars of TQM.
- What is philosophy behind Toyota Production System?
- What is the importance of employee involvement in an organization?

Q5) Any two from (a) or (b) or (c) ————— (5x2) = 10 Marks

- Explain in detail steps for implementing 5 S in an organization.
- Write a brief note on Theory of Constraints.
- Which are the Quality Tools for Management?

Q6) Any two from (a) or (b) or (c) ————— (5x2) = 10 Marks

- Write a short note on "Porter's five forces Analysis".
- What are the various aspects of Good Product Quality?
- What the various potential problem areas explored for conducting Root cause analysis systematically?

Q7) Any two from (a) or (b) or (c) ————— (5x2) = 10 Marks

- Write a short note on Eisenhower's effective time management.
- Explain the terms Correction, Corrective Actions and Preventive Actions.
- What are key benefits obtained by implementation of TPS for various stakeholders?