08IP82 Page No 1	
<i>U.S.N</i>]
P.E.S. College of Engineering, Mandya - 571 401 (An Autonomous Institution affiliated to VTU, Belgaum) Eighth Semester, B.E Industrial and Production Engineering Semester End Examination; June/July - 2015 World Class Manufacturing]
. What is world class manufacturing? Explain the manufacturing excellence and competitiveness.	
. Explain in detail the Hall's frameworks of value-added engineering.	
. What are the principles of world class manufacturing? Explain briefly.	
. Describe the practices of world class manufacturing.	
Explain the following :	
(i) Balance source card techniques (ii) Value stream mapping	
.' Describe about the Data collection for understanding process performance and tracking	
improvement.	
Define the Bench Marking. Describe the Bench Marking process.	
. Explain the following :	
(i) What to bench mark (ii) Systematic search	
PART – B	
Define re-engineering. Give the themes with suitable examples.	
. Write notes on differentiate re-engineering with automation and restructuring.	
. Explain the following of quality systems in detail :	
(i) ISO 9000 (ii) ISO 14000	
. Write note on DEMING'S AWARD.	
. Describe briefly the following :	
(i) SIX SIGMA- method of improvement	
(ii) DFSS	
. Explain DMAIC methodology of SIX SIGMA.	
. Describe activity based costing [ABC] and traditional costing systems briefly.	
. What is theorem of constraints? What are the five focusing steps and to active the goal describe each briefly?	
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