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B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, NOV / DEC 2012

MANUFACTURING ENGINEERING

SEVENTH SEMESTER

MF9034 VALUE ENGINEERING AND REENGINEERING

(Regulation 2008)

Time : 3 Hours

Answer ALL Questions

Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Write the differences between primary and secondary functions.
2. What is value mismatch?
3. Write any two ground rules of general phase.
4. What is 80:20 rule in investigation phase?
5. What are the key questions to be asked to identify meaningful costs in function phase?
6. What are the objectives of evaluation phase?
7. What are the three important rules that process redesign efforts should obey?
8. Write any four approaches that are recommended for operations and service improvement.
9. What is an empowered reengineering team?
10. Write down the steps recommended for performing the process analysis technique (pat)?

Part – B (5 x 16 = 80 marks)

11. Explain selection of projects and team members
12. a) Explain the function phase in detail.
OR
b) Explain with suitable block diagrams value engineering study for a small, medium and large scale enterprise.
13. a) Enumerate the check list to be followed in information phase.
OR
b) Explain the objectives, techniques for worksheet preparation in creation phase.
14. a) Enumerate PMI leadership expectation setting model with neat diagrams.
OR
b) Explain Edosoman's production and service improvement model.
15. a) Enumerate creating and maintaining reengineering teams.
OR
b) Explain nominal group technique and work flow analysis.