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B.E./B.Tech. (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2013

MANUFACTURING ENGINEERING

17

SEVENTH SEMESTER

MF9034 – VALUE ENGINEERING AND RE-ENGINEERING

Durations: 3hr

Max Mark: 100

Answer ALL Questions

Part – A (10 X 2 = 20Marks)

1. Explain various types of value.
2. What is the need for value engineering study?
3. What are the characters of a good team?
4. List any 4 obstacles witnessed during the investigation phase of Value engineering analysis.
5. Why is feasibility ranking done?
6. What are the benefits of life cycle cost analysis?
7. What is re-engineering?
8. Mention the difficulties involved in sprucing up large workforce.
9. What if process analysis is not done?
10. When should nominal group technique be used?

Part – B (5 X 16 = 80Marks)

11. Explain the techniques employed in a value engineering job plan. (16)
- 12.a. Explain the importance of collecting information and the methods adopted for the same. (16)
(OR)
b.i. Explain in detail the hurdles involved in the evaluation phase of VE and the steps to be taken in overcoming them. (10)
ii. Discuss the ways of improving creativity. (6)
- 13.a.i. What are the points to be kept in mind while preparing a worksheet? (6)
ii. Explain the classification of functions of functional phase of VE with suitable examples. (10)
(OR)
b.i. Explain the how to prepare and give a oral presentation. (12)
ii. Discuss the financial aspects to be considered in preparing a VE proposal. (4)

14.a.i. Explain the reasons for failure of a Reengineering project. (10)
ii. Write detailed notes on process reengineering. (6)

(OR)

b. Explain in detail the steps involved in process improvement . (16)

15.a. Write detailed notes on: i. Work flow analysis. (8)
ii. Fish bone diagram. (8)

(OR)

b.i. Explain the steps involved in building a good team. (8)

ii. Describe the characters and qualities of a good leader. (8)