MMS-IV

PTM 04

29-03-2013.

Duration: 3 Hours   Productivity Techniques.   Maximum Marks: 60

Total Questions: 8   Print Pages: 2

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

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1.   a) Explain the concept of Productivity. What are various ways to measure Productivity? Explain briefly the advantages and disadvantages of various models. (5 marks)

b) Various financial data for 2004 and 2005 follow. Calculate the total productivity measure and the partial measures for labor, capital, and raw materials for this company for both years. What do these measures tell you about this company? (5 marks)

		2004	2005
Output:	Sales	Rs 200,000	Rs 220,000
Input:	Labor	30,000	40,000
	Raw Materials	35,000	45,000
	Energy	5,000	6,000
	Capital	50,000	50,000
	Other	2,000	3,000

2.   a) Explain with a suitable example Problem Analysis and Potential Problem Analysis Techniques developed by Kepner Tregoe. (5 marks)

b) What is Super Decision –making? (5 marks)

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3.   a) Explain in brief the concept of Value Analysis And Value Engineering with a suitable example also differentiate between them. (5 marks)

b) Who prepares the FAST diagram in Value Engineering and list its functions. Also explain the Phases in Value Analysis and Value Engineering. (5 marks)

4.   a) Write note on "Wage Incentive Plans" and also list down the ill effects of Incentive Plans. (5 marks)

b) Design a suitable incentive plan for Business Development executive in Software firm. (5 marks)

5.   a) Explain the concept of Learning curve and its applications in business decision making. (5 marks)

b) An estimator believes that the first unit of a product will require 100 labor hours. If, say, b = -0.2, how many hours will the tenth unit require if it follows U learning curve Method. (5 marks)

6.   a) Effective Job Evaluation Program can help in improving productivity"- Explain this statement giving any one of the methods of Job Evaluation. (5 marks)

b) How does Job evaluation techniques help in productivity improvements? (5 marks)

7.   a) With Reference to Quality Circle explain: 1) Role of Group Leader, facilitator, team members2) Seven tools to problem solving(5 marks)

b) Are Brainstorming and Quality circle activities the same? Explain with reference to live examples. (5 marks)

8.   a) Write a brief note on MURA,MUDA and MURI. (5 marks)

b) Explain briefly the concept of Ergonomics along with its different principles. (5 marks)

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