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12MAR333

**Third Semester M.Tech. Degree Examination, Dec. 2013/Jan. 2014**

**Modeling of Management Information Systems**

Time: 3 hrs.

Max. Marks: 100

**Note: Answer any FIVE full questions.**

- 1 a. Discuss the classification of information systems. (10 Marks)  
b. Explain the contemporary approaches to information systems. (06 Marks)  
c. What are the major management challenges to building and using information systems? (04 Marks)
- 2 a. "IT flattens organizations". Justify. (05 Marks)  
b. What is the role of information systems in today's competitive business environment? (10 Marks)  
c. Why are strategic information systems difficult to build? (05 Marks)
- 3 a. How have the value chain and competitive process models changed as a result of the internet and the emergence of digital firms. (05 Marks)  
b. Why is there considerable organizational resistance to the introduction of information systems? (05 Marks)  
c. What is value chain model? How can it be used to identify opportunities for strategic information systems? (10 Marks)
- 4 a. Discuss the various stages of decision making. (04 Marks)  
b. Compare the descriptions of managerial behaviour in the classical and behavioral models. (10 Marks)  
c. Discuss the three models of organizational decision making. (06 Marks)
- 5 a. Explain the various phases in the system development process. (10 Marks)  
b. What is prototyping? Discuss its pros and cons comparing it with the traditional approach to system development. (10 Marks)
- 6 a. Define object oriented analysis. Explain the various steps in the analysis and design phase of object oriented technology. (10 Marks)  
b. Discuss any five features of object oriented technology. (10 Marks)
- 7 a. What is process modeling? Discuss the need and structure of DFD. (10 Marks)  
b. Discuss the two main system models. (10 Marks)
- 8 a. What is a decision support system (DSS)? How does it differ from management information systems MIS? (10 Marks)  
b. What are basic components of DSS? Briefly describe each. (10 Marks)

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Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.  
2. Any revealing of identification, appeal to evaluator and/or equations written eg, 42+8 = 50, will be treated as malpractice.

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