Reg. No. : ☐☐☐☐☐☐☐☐☐☐☐☐☐

Question Paper Code : 75599

5 Year M.Sc. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013.

Fourth Semester

Software Engineering

XSE 243/10677 SW 406 — MANAGEMENT INFORMATION SYSTEM

(Regulation 2003/2010)

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Differentiate the terms 'data' and 'information'.

2. What are strategic information systems?

3. Draw the organisational pyramid.

4. What is meant by an 'Information Center'?

5. What are 'Geographical Information Systems'?

6. Mention any two knowledge representation methods adopted in artificial intelligence system.

7. Indicate the role of planning in developing information system.

8. What is meant by prototyping of information systems?

9. Mention any two goals of information security.

10. Name any four risks encountered while managing information system.

PART B — (5 × 16 = 80 marks)

11. (a) (i) Describe the four states of processing adopted in computer based Information System.   (6)

        (ii) Describe any five ways of gaining competitive advantage.   (10)

Or

(b) (i) What are enterprise resource planning systems? What are their characteristics? What are the names of companies that supply ERP packages? (2 + 2 + 2)

(ii) Describe the characteristics and phases of building data warehouse. (5 + 5)

12. (a) (i) Describe the characteristics of effective information. (6)

(ii) Describe the characteristics of information required at different managerial levels. (10)

Or

(b) (i) Describe the impact of politics and power in the development of information systems. (6)

(ii) Describe the information system architecture and management. (10)

13. (a) (i) Describe the decision making process. (6)

(ii) Describe the components of Decision Support System. (10)

Or

(b) (i) Differentiate structured and unstructured problems. (6)

(ii) Describe the construction and working of Executive Information Systems. (10)

14. (a) (i) Describe the characteristics and scope of 'Computer Aided Software Engineering' field. (6)

(ii) Describe the system development life cycle. (10)

Or

(b) (i) What are the steps followed to integrate an information system with the existing system of the organisation. (6)

(ii) Describe the advantages and disadvantages of outsourcing the information system development. (10)

15. (a) (i) Describe any three 'control's incorporated in information systems. (6)

(ii) Describe any four recovery measures of information systems. (10)

Or

(b) (i) List any six passenger information that should be provided by the information systems of the airline industry. (6)

(ii) Describe the components of personal management module of the information system of a manufacturing company. (10)

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