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Question Paper Code : 75517

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

Elective

Information Technology

XCS 013 — DECISION SUPPORT SYSTEMS

(Common to 5 Year M.Sc. Computer Technology/M.Sc. Software Engineering)

(Regulation 2003)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is participative management?
2. What is Klein Model of decision making?
3. What are the major responsibilities of a Database Administrator?
4. What are the steps involved in carrying out simulation?
5. Give two examples of hypertext and hypermedia based system.
6. What is Object Database Management Group (ODMG)?
7. Write two application of artificial intelligence in decision support system.
8. What are the methods and tools of communication in Internet?
9. Give some examples of DSS software.
10. What are the significant features of an Interactive Financial Planning System?

PART B — (5 × 16 = 80 marks)

11. (a) Explain the three basic levels of management and the information systems that aid the decision maker in making decisions. (16)

Or

- (b) Describe the subsystems in a DSS and explain the decision support system that facilitates decision making as a group. (16)

12. (a) What is normalization and describe the various levels of normalization in designing databases? (16)

Or

- (b) Explain the three major categories of management science models used in decision support system. (16)

13. (a) Explain the various user interface styles that have evolved over a period of time. (16)

Or

- (b) What is Asynchronous Transfer Mode and illustrate the working of ATM technology? (16)

14. (a) Why knowledge representation is a complex mechanism and explain the major knowledge representation mechanisms available? (16)

Or

- (b) What is an Intranet and what are the major applications of intranet in business? (16)

15. (a) What are the key issues with security in Electronic Data Interchange (EDI) and explain the methods by which security is made possible in EDI?

Or

- (b) Explain the seven layers in OSI model and provide a comparison of various layers of OSI model with IBM's SNA and Decnet.
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