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**Question Paper Code : 65084**

5 Year M.Sc. DEGREE EXAMINATION, MAY/JUNE 2013.

Elective

Computer Technology

XCS 013 – DECISION SUPPORT SYSTEMS

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

(Regulation 2003)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Differentiate tactical and strategic information.
2. Mention any two significant roles played by decision support system in an organisation.
3. Mention any two advantages of maintaining a data store in DBMS.
4. What is the significance of the term "relation" in RDBMS?
5. Mention any two hardware requirements for DOS based DSS.
6. What is a subsystem? Give an example.
7. What is symbolic processing?
8. Why is heuristics considered as one of the key elements of Artificial Intelligence?
9. Mention any two advantages of Electronic Data Interchange.
10. Differentiate internet and intranet.

PART B — (5 × 16 = 80 marks)

11. (a) Explain the significance of decision support system in any organisation. Explain the ways and means by which it is different from a Management Information System.

Or

- (b) Considering a banking industry, enumerate the features of Information system.



12. (a) Explain the features of a RDBMS. Explain how an RDBMS is helpful in supporting strategic and tactical decisions of an organisation.

Or

- (b) Explain model based management with a suitable example.

13. (a) Taking the Railway Reservation System implemented at the railway booking offices, explain the hardware and software technologies which need to be considered for the same.

Or

- (b) Explain how Dialog Management Subsystem helps in the Decision Support Activities giving examples.

14. (a) Considering an example of medical expert system, explain in detail the features and challenges in decision making when compared to a conventional decision support system.

Or

- (b) The inventory management and accounts system of an enterprise are located in two different geographical locations. Explain the relevance of internet in such systems with specific examples of transactions therein.

15. (a) Explain in detail the computer network and its advantage in building decision support system.

Or

- (b) With a suitable example explain the challenges involved in developing and implementing a decision support system software.