2003
BUSINESS SYSTEMS & APPLICATIONS

Time Allotted: 3 hours   Full Marks: 70

The questions are of equal value.
The figures in the margin indicate full marks
Candidates are required to give their answers in their own words as far as practicable.

Answer any five Questions

1. Why is a closed system likely to deteriorate? What is the difference between balancing and reinforcing feedback? In systems thinking "there is no blame". Explain. Define structured, semistructured and unstructured decisions with example.   `2+4+2+6`

2. Describe the latest major trends in Information Technology. Describe different types of reports with example.   `8+6`

3. Provide a list of possible strategic, tactical and operational information needs for university, restaurant and chemical plant. Why Information system is regarded as support system?   `9+5`

4. Define MIS. Describe the roles of MIS. What are the advantages of MIS. Describe the major steps in management processes with their information needs.   `2+4+4+4`

5. What are the characteristics of a Data Warehouse? What are the advantages of a data mart? Compare the Operational Data store and the Datawarehouse. Draw a typical Data Warehouse Architecture.   `3+3+4+4`

6. What is a value system? How IT supports secondary value activities? Illustrate with examples how the internet value chain demonstrates the strategic business value. What are the basic strategies in the business use of IT? What is competitive advantage?   `1+4+3+5+1`

7. List the 4 broad objectives of Knowledge Management (KM). List the benefits of KM. How can tacit knowledge be transferred/ shared? Describe the kind of support a Groupware can provide. Describe any one Groupware package.   `4+3+2+3+2`

8. List and define the major components of an Expert System. What is Turing test? List three applications of genetic algorithm. Describe how neural networks can perform data mining. What is the difference between extranet and intranet?.   `4+2+3+3+2`

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