N 1261

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2004.

Second Semester

Information Technology

IF 143 — INTRODUCTION TO IT

Time : Three hours   Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Differentiate between Data and Information.

2. What is a Computer Based Information system?

3. What do you mean by 'Database'?

4. State the services provided by Operating System.

5. Define 'topology' of a Network.

6. What is a Telecommunication System?

7. List the applications of E–commerce.

8. Write a brief note on Open Systems.

9. Define End User Computing.

10. State any two methods for providing security in Information System.

PART B — (5 × 16 = 80 marks)

11. (i)   Identify the characteristics and limitations of Expert Systems.   (8)

    (ii) Describe the major applications of Electronic Commerce.   (8)

12. (a) (i) Explain the different types of Operating Systems. (8)

    (ii) Describe the major types of Application Software. (8)

Or

    (b) (i) Discuss the relative advantages and disadvantages of Hierarchical, Network and Relational Database Models. (8)

    (ii) Explain the advantages of Database Management Systems. (8)

13. (a) (i) Discuss the characteristics of the various Communications Media. (8)

    (ii) Discuss the advantages and disadvantages of Satellites. (8)

Or

    (b) (i) What is Internet? Explain in detail. (8)

    (ii) Explain the major categories of services provided by the Internet. (8)

14. (a) (i) Describe the benefits of GIS in detail. (8)

    (ii) Explain Electronic Fund Transfer in detail. (8)

Or

    (b) (i) What are Extranet? Explain in detail highlighting the various types of Extranets. (8)

    (ii) Explain in detail Knowledge Management. (8)

15. (a) (i) Describe in detail the Information Systems Planning Process. (8)

    (ii) Describe the various threats to Information Security and explain the major defense strategies. (8)

Or

    (b) (i) Discuss the role of IS and user departments. (8)

    (ii) Describe the concept of client/server architecture. (8)

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