B 2263

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2007.

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. Define Computer Based Information System (CBIS). Mention the basic components of CBIS.

2. List the Types of Information Systems.

3. Briefly explain about the tree types of telecommunication satellites.

4. Distinguish between USENET newsgroups and LISTSERV.

5. List the types of inter-organizational systems.

6. What is meant by data visualization? What are its advantages?

7. What is an Electronic wallet? What are its advantages?

8. Mention few benefits of Expert System.

9. Define ERP.

10. Differentiate between Firewall and Antivirus.

PART B — (5 × 16 = 80 marks)

11. (a) (i) What are the capabilities of Information Systems?   (8)

         (ii) Explain any two logical data model.   (8)

                                    Or

     (b) (i) Draw the typical hierarchical architectural structure of IT support.
               Explain.   (8)

         (ii) Discuss software crisis and its significance.   (8)

12. (a) (i) Discuss about network communication software.   (8)

         (ii) How internet connectivity can be made available to home
               computers, offices and Organizations? Explain.   (8)

                                    Or

     (b) (i) Explain the applications of Telecommunications.   (8)

         (ii) Describe the evolution of the Internet.   (8)

13. (a) (i) Mention the Components and Structure of Extranet. Explain
               different types of Extranets.   (8)

         (ii) Describe in detail about transaction processing information system.
                                                                                     (8)

                                    Or

     (b) (i) What are the issues of electronic global trading? Discuss in detail.(8)

         (ii) Discuss in detail about decision support systems.   (8)

14. (a) (i) What is E-Commerce? What are its advantages and disadvantages?
                                                                                     (8)

         (ii) Explain in detail about intelligent agents.   (8)

                                    Or

     (b) (i) Is natural language processing an intelligent processing system?
               Justify your answer.   (8)

         (ii) Explain about e-commerce customer support infrastructure and
               payments.   (8)

15. (a) (i) Describe the major threats of Information Security. (8)

   (ii) Explain the traditional System Development Life Cycle (SDLC) in detail. (8)

Or

   (b) (i) Explain the Organizational Structure of Information Systems? (8)

   (ii) Briefly explain about Information System vulnerability, protection and security. (8)

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