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B.E./B.Tech. DEGREE EXAMINATION, APRIL/MAY 2003.

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. List any two advantages of DBMS.

2. Define MIS.

3. List the measures of data transmission speed.

4. What is the purpose of HTTP?

5. What is an extranet?

6. What is the purpose of EDI?

7. State the use of VRML.

8. List the different kinds of e–commerce.

9. What is the purpose of firewall?

10. Distinguish client from server.

11. Give the significance of the following cards : accelerator board, cache card, coprocessor board, disk controller card, emulator board, fax modem board, graphics (video) adapter board, memory expansion board and sound board. (16)

12. (a) Explain the benefits of networks. (16)

Or

(b) (i) Explain the components required for a dial–up connection. (10)

(ii) Explain the characteristics of intranet. (6)

13. (a) What is a decision support system? Explain some features of decision support system. Give some examples of decision support systems. (16)

Or

(b) What are the components of GIS? Mention the applications of GIS. (16)

14. (a) Explain how e–commerce works. What are the benefits realized by companies using e–commerce? (16)

Or

(b) What is virtual reality? Give a brief history of virtual reality. What is the present use of virtual reality? (16)

15. (a) Explain the planning process of Information systems. Explain the purpose of the IS strategic plan and the elements of IS operational plan. (16)

Or

(b) Write short notes on :

(i) IS vulnerability (4)

(ii) Network protection (4)

(iii) Firewalls risk management (4)

(iv) IT architecture. (4)

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