First Semester Diploma in Information Technology Examination

MODEL QUESTION PAPER

DIT1C01 – Information Technology Essentials

(With effect from 2012 Admission)

Time: 3 Hours   Total Marks: 100

Part A

(Answer any 10; Question carries 3 mark)

1. What are the different elements of a computer system?

2. What is meant by system software?

3. What is meant by primary memory? List the various components of it.

4. What are the uses of bus?

5. What is meant by a number system?

6. Define EDI.

7. What is the use of PDA?

8. What is meant by SMS?

9. Define content adaptation.

10. What is meant by WAP push?

11. Define the term digital divide.

12. Define GPS.

13. What is a smart card?

14. What is meant by blue jacking?

15. What are the advantages of GNU/LINUX?

Part B
(Answer any 10; Each Question carries 5 marks)

16. Briefly explain the different types of software.
17. Give an overview of the basic organization of a computer system with help of a block diagram.
18. What are the different components of a CPU?
19. Write a note on optical disk.
20. What is meant by port? Differentiate between serial port and parallel port.
21. Briefly explain the octal number system.
22. What are the different types of data significant to the computer?
23. Differentiate between data, information and knowledge.
24. What are the features of VAN?
25. Briefly explain about any two portable computing devices.
26. What are the vulnerabilities associated with mobile communication?
27. What are the challenges associated with MMS?
28. Compare between Bluetooth and Wi-Fi.
29. Explain the concept of GPS with any two applications
30. Explain the division scheme of infra red radiation.

Part C
(Answer any 2; Each Question carries 10 marks)

31. What is meant by Information Technology? Explain the applications of IT.
32. Describe the features of mobile computing.
33. Write an essay on Wireless communication.
34. What is meant by cloud computing? Explain the architecture and features of it.

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