



C09-IT-403

3497

**BOARD DIPLOMA EXAMINATION, (C-09)
MARCH/APRIL—2013
DIT—FOURTH SEMESTER EXAMINATION
COMPUTER HARDWARE AND NETWORKING**

Time : 3 hours]

[*Total Marks* : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. What is the use of application software?
2. Define CPU form factor.
3. Define chipset and list the functions of chipset.
4. 'Disk' and 'disc' both the terms are used in which memories?
5. List different types of semiconductor memories.
6. Write a short note on surge protection.
7. List different antivirus tools.

8. State the need of networking.
9. What are the limitations of IP addressing?
10. Write about twisted pair cables.

PART—B

10×5=50

Instructions : (1) Answer *any five* questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. (a) Explain briefly about USB port.
(b) List the pins available in serial port connector.
12. (a) Write the differences between Pentium and Itanium processors.
(b) Explain some details about latest core processors from Intel.
13. Write short notes on :
 - (a) AGP
 - (b) EISA
 - (c) USB
 - (d) CPU Bus
14. Write short notes on :
 - (a) RAID
 - (b) SATA
 - (c) EIDE
 - (d) SCSI

- 15.** Explain the troubleshooting procedure of system board.
- 16.** Explain the procedure to isolate computer problems.
- 17.** Explain the TCP/IP reference model with a neat sketch and give the functions of each layer.
- 18.** Write short notes on :
 - (a) Repeaters
 - (b) Hubs
 - (c) Switches

★ ★ ★