



C09-IT-403

3497

BOARD DIPLOMA EXAMINATION, (C-09)
MARCH/APRIL—2014
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 network interface card in computer?
2. List different types of system boards.
3. Define form factor of system board.
4. List different types of semiconductor memories.
5. Write a short note on SIMM.
6. List any three diagnostic softwares.
7. Write the use of battery backup.
8. List two advantages and two disadvantages of having international standards for network protocols.

- * 9. What is the need for subnetting?
10. List the advantages of 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) Write about the pins of USB.
(b) Write about the pins of AT and ATX keyboard connectors.
12. (a) Explain about ISA.
(b) Explain about MCA.
13. List and explain various types of RAM.
14. Write short notes on :
(a) Disk cleanup
(b) Disk backup
(c) Disk fragmentation
15. Explain the trouble-shooting procedure of hard disk drive failures.
16. Explain the trouble-shooting procedure in power system failures.
17. Distinguish among LAN, MAN and WAN.
18. Explain briefly about :
(a) Bridges
(b) Routers
(c) Gateways
