



C09-IT-403

3497

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

Time : 3 hours ]

[ Total Marks : 80

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**PART—A**

**Instructions** : (1) Answer **all** questions.  
(2) Each question carries **three** marks.  
(3) Answer should be brief and straight to the point and shall not exceed *five* simple sentences.

1. List Hardware used for input and output.
2. Define CPU and write any two functions of CPU.
3. List standard CMOS setup options.
4. Define semiconductor memory and list its types.
5. List various types of computer memory.
6. List any four diagnostic softwares.
7. What is a surge protector?
8. State the need of Networking.

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9. What are the classes of IP address?
10. Define bandwidth and distance.

**PART—B**

**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) Define post. Write any four beep error codes. 5  
(b) Explain the functions of BIOS. 5
12. Define system board. Explain the types of system boards.
13. Explain about data protection.
14. Explain various types of hard drive optimization techniques.
15. Explain about troubleshooting on system board.
16. Explain the following : 5+5=10  
(a) Standby UPS  
(b) Inline UPS
17. Explain the classification of networks.
18. Explain the following protocols : 4+3+3=10  
(a) HTTPS  
(b) FTP  
(c) SMTP

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