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C09-CM-403

3460

**BOARD DIPLOMA EXAMINATION, (C-09)**  
**MARCH/APRIL—2014**  
**DCM—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) Answer should be brief and straight to the point and shall not exceed *five* simple sentences.

1. What is the use of application software?
2. Write the features of 845 chip set.
3. Define form factor of system board.
4. Explain briefly about nonvolatile RAM.
5. Write a short note on DIMM.
6. Write a short note on antivirus software.
7. List different types of antistatic tool.

- \* 8. List the protocols which use connection-oriented service.
9. Differentiate between single-mode fiber and multi-mode fiber.
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) Write about the pins of USB.  
(b) Write about the pins of AT and ATX keyboard connectors.
12. (a) Write about different CPU form factors.  
(b) Write about different CPU slots and supported processors.
13. (a) Explain about Pentium processor.  
(b) List the functions of CPU.
14. Explain different functional units in DVD-ROM.
15. Explain the procedure to isolate computer problems.
16. Explain monitor troubleshooting.
17. Explain the OSI reference model with a neat sketch and also explain the function of each layer.
18. (a) Explain about TCP/IP protocols.  
(b) Explain about FTP protocols.

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