



C09-CM-403/C09-IT-403

**3460**

**BOARD DIPLOMA EXAMINATION, (C-09)**  
**OCT/NOV—2017**  
**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) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. State the examples for application software.
2. List different types of chipsets.
3. What is CPU form factor?
4. Write a short note on SIMM.
5. List different types of semiconductor memories.
6. List different troubleshooting tools.
7. Write a short note on VIRUS.

- \* 8. List two advantages and two disadvantages of having international standards for network, protocols.
9. How to create subnets in a network?
10. Find the subnetwork address for the following :
- (a) IP address : 120.14.22.16
- (b) IP address : 141.181.211.16

**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 a short note on ROM BIOS.  
(b) Explain briefly about keyboard connector.
12. (a) Explain about ISA.  
(b) Explain about MCA.
13. (a) Explain about setting the CPU properties.  
(b) Explain about setting bus speeds.
14. Write the procedure to optimize the hard disk drives.
15. Explain about different types of UPS.
16. Explain monitor troubleshooting.
17. Explain the TCP/IP reference model with a neat sketch and give the functions of each layer.
- \* 18. Explain about LAN devices.

\*\*\*