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BOARD DIPLOMA EXAMINATION, (C–09)
MARCH/APRIL—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. List the components inside the computer.

2. Write a short note on chipset.

3. Define form factor of system board.

4. List different types of semiconductor memories.

5. Write a short note on RDRAM.

6. List different types of antistatic tools.

7. Write a short note on bootable rescues disc.

8. State the need for star topology.

9. List the advantages of coaxial cable.

10. Find the class of the following IP addresses :

(a) 208.34.54.12

(b) 129.14.6.8

(c) 241.34.2.8

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.   5

      (b) Explain boot process.   5

12. *(a)* Explain about setting the CPU properties.   5

      (b) Explain about setting bus speeds.   5

13. Write short notes on :   2½×4=10

      (a) ISA

      (b) MCA

      (c) EISA

      (d) PCI

14. Write short notes on :   3+4+3=10

      (a) Disk cleanup

      (b) Disk backup

      (c) Disk fragmentation

15. Explain about different types of UPS.

16. Explain printer trouble shooting.

17. Explain the classification of networks according to their size.

18. Explain briefly about the following :   3+4+3=10

      (a) Bridges

      (b) Routers

      (c) Gateways

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