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BOARD DIPLOMA EXAMINATION, (C-16)

JANUARY/FEBRUARY—2022

DECE - FIFTH 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 any six expansion slots available on mother board.

2. List the features of DDR3 SD RAM.

3. Define Power On Self Test (POST).

4. Compare File Allocation Table (FAT) and NTFS.

5. Define computer network and state its use.

6. List different types of physical transmission media used in networking.

7. State the need for protocols in computer networking.

8. Define the terms Internet and Intranet.

9. List any three differences between TCP and UDP.

10. What is the role of DNS server?

PART—B

10×5=50

Instructions : (1) Answer *any* **five** questions.

(2) Each question carries **ten** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. Explain Accelerated Graphics Port (AGP).

12. Describe the connector details of serial port, mouse, keyboard and USB.

13. Explain the steps in assembling a PC.

14. Explain bus and star network topologies with a sketch.

15. Explain the circuit switching and packet switching with diagrams.

16. Explain the topology of wireless LAN and write its frame format (IEEE 802.11)

17. Explain classful addressing and classless addressing in IPV4.

18. Explain file transfer operation using FTP.

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