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BOARD DIPLOMA EXAMINATION, (C-16)

MAY/JUNE—2023

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 different expansion slots available on the motherboard.

2. List any three specifications of LED monitor.

3. State the need for installation of device drivers.

4. State the need for disk partitioning.

5. Define computer network.

6. List the three types of switching techniques used in networking.

7. State the need for protocol in computer networks.

8. Define the terms internet and intranet.

9. What is meant by store and forward switch mechanism?

10. State the uses of gateways.

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 about accelerated graphic port.

12. Explain the working of hard disk and explain how data is accessed from it.

13. Explain the steps involved in assembling a PC.

14. Draw ISO : OSI 7 layer architecture and state function of each layer.

15. Explain the topology of wireless LAN and explain its frame format.

16. Explain about CSMA/CD and CSMA/CA.

17. Explain the concept of routers and routing packets in computer networks.

18. Explain the flow control in TCP.

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