



C16-EC-503

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**BOARD DIPLOMA EXAMINATION, (C-16)
NOVEMBER—2020
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. What is the function of chipset?
2. List any six specifications of LED monitor.
3. State the need for disk partitioning.
4. State the need for installation of device drivers.
5. Define network topology.
6. State the use of repeater and hub.
7. Differentiate between switch and bridge.
8. Briefly explain classless addressing in IPV4.
9. State the use of gateways.
10. Write the purpose of proxy server.

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[*Contd....*

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PART—B

10×5=50

- Instructions :** (1) Answer *any five* questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and the criteria for valuation are the content but not the length of the answer.

11. Explain various SMPS power supply connectors used in PC-AT.
12. Explain the working of LED monitor with the help of suitable diagram.
13. Describe the general steps involved in the installation of windows OS.
14. Draw TCP/IP reference model and explain the functions of each layer.
15. Explain the cross sectional diagrams of STP and Co-axial cable and state their use in networking.
16. Explain Ethernet LAN and its frame format.
17. Explain the packet transfer mechanism using routers and IP address.
18. Explain how email is transferred.

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