

**6631**

**BOARD DIPLOMA EXAMINATIONS**

**OCT/NOV-2019**

**DECE – FIFTH SEMESTER**

**COMPUTER HARDWARE AND NETWORKING**

Time: 3 hours

Max. Marks: 80

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**PART – A**

**3 X 10= 30**

**Instructions:** 1. Answer **all** questions.  
2. Each question carries **Three Marks**.  
3. Answer should be brief and straight to the point and should not exceed five simple sentences.

1. List the functions of chipsets.
2. List the features of DDR3SDRAM.
3. State the need for installation of device drivers.
4. State the need for disk partitioning.
5. Define computer network and state its use.
6. List the different types of physical transmission media used in networking.
7. Differentiate between switch and bridge.
8. Distinguish between store-and-forward and adaptive switch mechanisms.
9. State the use of Gateways.
10. Mention the role of DNS server.

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## PART – B

10 X 5 = 50

**Instructions:** 1. Answer any **Five** questions  
2. Each question carries **TEN** Marks.  
3. Answer should be comprehensive and criteria for valuation are the content but not the length of the answer.

11. Explain accelerated graphics port.
12. Explain the working of LED monitor.
13. Explain the steps in assembling a PC.
14. Draw TCP/IP reference model and explain the functions of each layer.
15. Explain circuit switching and packet switching.
16. Explain CSMA/CD and CSMA/CA.
17. Explain classful addressing and classless addressing in IPv4.
18. Explain file transfer operation using FTP.

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