

**6631**  
**BOARD DIPLOMA EXAMINATION**  
**MARCH/APRIL - 2019**  
**DIPLOMA IN ELECTRONICS AND COMMUNICATION ENGINEERING**  
**COMPUTER HARDWARE & NETWORKING**  
**FIFTH SEMESTER EXAMINATION**

**Time: 3 Hours**

**Total Marks: 80**

**PART - A (3m x 10 = 30m)**

*Note 1: Answer all questions and each question carries 3 marks*

*2: Answers should be brief and straight to the point and shall not exceed 5 simple sentences*

1. Give the connector details of mouse
2. What are the functions of chipset?
3. State the use of windows registry
4. List different types of viruses
5. List differences between OSI and TCP/IP models
6. State the use of repeater/ hub
7. What is the use of SkyWAN?
8. List any three differences between TCP and UDP
9. Define ISP
10. What is classless addressing in IPV4 ?

**PART - B (10m x 5 = 50m)**

*Note 1: Answer any five questions and each carries 10 marks*

*2: The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer*

11. What is optical mouse and explain its working
12. List various SMPS power supply connectors used in PC-AT and explain their use
13. List different types of viruses and explain different ways of removing viruses
14. Draw TCP/IP reference model and explain the functions of each layer
15. Explain Ethernet Local Area Network and give its frame format
16. Explain the features of Bluetooth technology

17. Explain how email is transferred with a diagram

18. Explain remote login process with the help of relevant diagram

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