6631
BOARD DIPLOMA EXAMINATION
JUNE - 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 serial port

2. List any six expansion slots available on motherboard

3. List different types of viruses

4. Define the Power On Self-Test (POST)

5. Define network topology

6. Define virtual circuit packet switching

7. State the use of switch

8. Define the terms Internet and Intranet

9. List any three features of UDP

10. What is the use of email?

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. Explain the principle of working of optical mouse

12. Explain the working of LED monitor with the help of suitable diagram

13. What is formatting a disk? Explain the process of formatting a disk

14. Explain the functions of different layers of ISO:OSI seven layer reference model with a diagram

15. Explain the cross sectional diagrams of UTP, STP and Fiber optic cable and their use in networking

16. Explain the working of token ring network

17. Explain the packet transfer mechanism using routers and IP address

18. Explain file transfer operation using FTP

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