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BOARD DIPLOMA EXAMINATION, (C-09)

MARCH/APRIL—2021

DECE - SIXTH SEMESTER EXAMINATION

DATA COMMUNICATION AND COMPUTER NETWORKS

Time : 3 hours]   [*Total Marks* : 80

PART—A   4×5=20

Instructions :   (1) Answer *any* **five** questions.

   (2) Each question carries **four** marks.

   (3) Answers should be brief and straight to the point and shall not exceed five simple sentences.

1. Define data communication.

2. List different transmission media.

3. Mention different types of topologies.

4. Write shot notes of Bluetooth technology.

5. Write the application of WAP.

6. Define intranet.

7. Explain the role of gateway.

8. List the features of TCP.

9. List HTTP commands.

10. Explain the role of DNS server.

PART—B

Instructions : (1) Answer *any* **four** questions.

(2) Each question carries **fifteen** marks.

(3) Answers should be comprehensive and criterion for valuation is the content but not the length of the answer.

11. Distinguish between analog and digital transmission.

12. Explain construction of twisted pair, coaxial and optical fibre cables.

13. Explain different categories of computer networks (LAN, WAN).

14. Describe the circuit switching and packet switching.

15. Explain the working of point-to-point and point-to-multipoint networks.

16. Describe different layers of TCP/IP.

17. Explain how e-mail is transferred.

18. Describe the web browser architecture.

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