III Semester B.C.A. 6. (NEP) Degree Examination, April - 2023
COMPUTER COMMUNICATION AND NETWORKS
(Regular)

Time : 2 Hours **Maximum Marks : 60**

Instructions to Candidates :
1. All sections are **compulsory**.
2. Draw the **diagram** wherever necessary.

SECTION - A

Answer any **TEN** questions, each carries 2 marks. (10×2=20)

1. What is computer network?

2. Define topology. Give example.

3. Name any two guided transmission Mediums.

4. Define switching.

5. What is parity bit?

6. Define CRC.

7. What do you mean by flooding?

8. What is Hop by Hop chock packet?

9. Expand DNS and TCP/IP.

10. What is electronic mailing?

11. Define WWW.

12. Write the purpose of multiplexing.

SECTION - B

Answer any **FOUR** questions, each carries 5 marks. (4×5=20)

13. Explain the types of computer networks.

14. Describe any two unguided transmission media.

15. Explain CRC with an example.

16. Explain distance vector routing algorithm with neat diagram.

17. Explain the functions of electronic mailing.

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SECTION - C

Answer any **TWO** questions, each carries **10** marks.   (2×10=20)

. Explain OSI reference model.

. a)   Explain message switching.

   b)   Explain Go Back N sliding window protocol.

. a)   Explain leaky bucket and token bucket algorithm.

   b)   Describe UDP frame format.

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