

C 40490

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Name.....

Reg. No.....

**SIXTH SEMESTER U.G (CBCSS—UG) DEGREE EXAMINATION
MARCH 2023**

BCA/Computer Science

BCA/BCS 6B 13—COMPUTER NETWORKS

(2019 Admissions onwards)

Time : Two Hours

Maximum : 60 Marks

Section A (Short Answer Type Questions)*Answer all the questions.**Each correct answer carries a maximum of 2 marks.**Ceiling 20 marks.*

1. Define topology.
2. What is the difference between Single bit error and Burst error ?
3. What are the functions of MAC ?
4. Define subnetting.
5. What are the advantages of using UDP over TCP ?
6. Define cipher text.
7. Explain SNMP.
8. Define CSMA/CD.
9. Define FTP.
10. Define cryptography.
11. Explain gateway and bridges.
12. Explain Client/Server paradigm in detail.

(Ceiling 20 marks)

Section B (Short Essay Type Questions)*Answer all the questions.**Each correct answer carries a maximum of 5 marks.**Ceiling 30 marks.*

13. Explain Pure ALOHA and slotted ALOHA.
14. Differentiate between UDP and TCP.

Turn over

15. Explain IEEE 802.11 in detail.
16. Explain about symmetric key cryptography.
17. Explain about Bluetooth and its architecture in detail.
18. Explain Distance Vector Routing Algorithm in detail.
19. Explain CRC with example.

(Ceiling 30 marks)

Section C (Essay Type Questions)

*Answer any **one** question.*

Correct answer carries 10 marks.

20. Explain about IPv4.
21. Explain about OSI layers and functions of different layers.

(1 × 10 = 10 marks)