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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?
- 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.

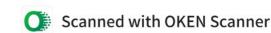
(Ceiling 20 marks)

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



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

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.

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