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# SIXTH SEMESTER U.G. (CBCSS—UG) DEGREE EXAMINATION MARCH 2024

BCA/Computer Science

### BCA 6B 13—COMPUTER NETWORKS

(2019 Admission onwards)

Time: Two Hours

Maximum: 60 Marks

### **Section A (Short Answer Type Questions)**

Answer all questions, each correct answer carries a maximum of 2 marks.

Ceiling 20 marks.

- 1. Which are the categories of network?
- 2. What is framing?
- 3. What is Hamming distance?
- 4. What is EIA-232 Interface?
- 5. What is pure ALOHA?
- 6. What is Link state routing?
- 7. What is WWW?
- 8. What do you mean by process to process delivery?
- 9. What is transposition cipher?
- 10. What is message digest?
- 11. What is multicasting?
- 12. What is the purpose of Domain Name System?

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## Section B (Short Essay Type Questions)

Answer **all** questions, each correct answer carries a maximum of 5 marks.

Ceiling 30 marks.

- 13. Describe about the various topologies.
- 14. Explain about CSMA/CA.
- 15. Explain about cyclic redundancy check.
- 16. Explain about the IPV4 classfull addressing.
- 17. Explain about UDP protocol.
- 18. Differentiate symmetric ciphers and asymmetric ciphers.
- 19. Describe briefly about datagram networks.

### **Section C (Essay Type Questions)**

Answer any **one** question, correct answer carries 10 marks.

- 20. Explain about OSI Reference model.
- 21. What is Cryptography? Explain about different Cryptography techniques.