

D 120063**(Pages : 2)****Name.....****Reg. No.....****SIXTH SEMESTER (CBCSS—UG) DEGREE EXAMINATION
MARCH 2025****B.C.A./B.Sc. Computer Science****BCA 6B 13 / BSC 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. Define the term physical topology.
2. What is a WAN ?
3. What is packet switching ?
4. What is VRC ?
5. List the different standard Ethernet evolution.
6. What is Slotted ALOHA ?
7. What is a router ?
8. What is Network Address Translation ?
9. What are Domain Name systems ?
10. Which are the different quality of services for flow ?
11. Which are the different network security services ?
12. What is symmetric key cryptography ?

Turn over

Section B (Short Essay Type Questions)

*Answer **all** questions.*

Each correct answer carries a maximum of 5 marks.

Ceiling 30 marks.

13. Differentiate message switching and packet switching.
14. Explain about various CSMA Protocols.
15. Describe about duties of Datalink layer.
16. Explain about the datagram format of IPv6 protocol.
17. Explain about FTP.
18. Explain about asymmetric key ciphers.
19. Explain about Wireless LANs.

Section C (Essay Type Questions)

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

20. Explain about various switching techniques.
21. Explain about IPV4 protocol datagram format.

(1 × 10 = 10 marks)