QP CODE: 24028078

24028078

Reg No : .....

Name : .....

B.Sc/BCA DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, OCTOBER 2024

Fifth Semester

CORE COURSE - CS5CRT12 - COMPUTER NETWORKS

Common for B.Sc Information Technology Model III & Bachelor of Computer Applications

2017 Admission Onwards

EDC3475B

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Define the term about attenuation.
2. What is the function of carrier signal?
3. Define multiplexing.
4. Describe the construction of coaxial cable.
5. Why is circuit switching less efficient than the other types of switches?
6. Explain the importance of hamming distance in error detection.
7. What is byte stuffing?
8. Explain how data link layer can do error control by automatic repeat request.
9. What is the concept of classless addressing in IPv4?
10. What is jumbo payload?
11. What is choke point?
12. Flat name space in DNS.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain network basic models.
14. Why TCP IP Protocol Suite is used in nowadays in data communication channel.

15. Write short notes on twisted pair.

16. Differentiate ALOHA and CSMA.

17. Explain the architecture of Cellular Telephony.

18. What do you mean by local address in IPv6. How it is used?

19. Distinguish between TCP and UDP.

20. Explain fully qualified domain name and partially qualified domain name.

21. Explain Traditional ciphers with example.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Write down the processing step about analog to digital conversion.

23. Explain the data communication in virtual circuit network in detail.

24. Explain four generations of Ethernet.

25. Explain bridges in detail.

(2×15=30)