



QP CODE: 24001540



Reg No : .....

Name : .....

**B.Sc/BCA DEGREE (CBCS ) SPECIAL REAPPEARANCE EXAMINATIONS, MARCH  
2024**

**Fifth Semester**

**CORE COURSE - CS5CRT12 - COMPUTER NETWORKS**

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

2021 Admission Only

E8D73928

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

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

1. Explain protocols in Computer Network.
2. Explain network models.
3. Which are the main bandwidth utilisation techniques?
4. What are the merits and demerits of radio waves?
5. Which are the three phases in circuit switching?
6. Explain error correction by retransmission.
7. What is a bluetooth?
8. Explain how roaming is achieved in cellular telephony.
9. Draw the address format of a unicast IPv6 address.
10. What is flow label?
11. Briefly explain stream delivery serve in TCP.
12. Describe the functions of the Two FTP connection

(10×2=20)

**Part B**

*Answer any **six** questions.*

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

13. Explain data and signals.
14. Write down the steps of analog to analog conversion.





15. Explain coaxial cable in detail.
16. Explain various functions of Data Link Layer.
17. Explain how slotted ALOHA improves the efficiency of pure ALOHA.
18. Differentiate between repeaters and amplifiers.
19. Distinguish between window policy and acknowledgement policy.
20. Explain FTP.
21. Explain Symmetric cryptography.

(6×5=30)

### Part C

*Answer any **two** questions.*

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

22. Which are the techniques used to analog to analog conversions?
23. Explain different bandwidth utilization techniques.
24. The most important responsibility of data link layer are flow control and error control. Discuss how this is achieved in noiseless channels and noisy channels.
25. Explain classful addressing in IPv4. What are the drawbacks.?

(2×15=30)

