



20100010

QP CODE: 20100010

Reg No : .....

Name : .....

**BSc/BCA DEGREE (CBCS ) EXAMINATION, FEBRUARY 2020**

**Fifth Semester**

**Core Course - CS5CRT12 - COMPUTER NETWORKS**

B.Sc Information Technology Model III , Bachelor of Computer Application

2017 Admission Onwards

ACEA3771

Time: 3 Hours

Maximum Marks :80

**Part A**

*Answer any ten questions.*

*Each question carries 2 marks.*

1. Write a note about TCP/IP protocol suite
2. Explain time and frequency domain
3. Define multiplexing.
4. Define transmission medium.
5. Differentiate sky propagation and line of sight propagation.
6. Differentiate the terms dataword and codeword.
7. Explain how throughput is calculated in pure ALOHA.
8. Explain the format of Ethernet address.
9. Find the class of the given IPv4 addresses a) 192.35.101.8 b)129.10.7.25
10. What is meant by abbreviation in IPv6 addressing?
11. Distinguish between connection oriented and connectionless services?
12. Define country Domain

(10×2=20)



**Part B**

*Answer any six questions.*

*Each question carries 5 marks.*

13. Write down the steps of analog to analog conversion
14. Define BPSK
15. Explain FHSS in detail.
16. Explain various functions of Data Link Layer.
17. What is hands off? Differentiate hard handoff and soft handoff.
18. Write short notes on routers.
19. Distinguish between window policy and acknowledgement policy
20. Explain FTP
21. Explain the different section of Domain Name Space

(6×5=30)

**Part C**

*Answer any two questions.*

*Each question carries 15 marks.*

22. Categories the basic topologies in terms of line configuration
23. Explain about packet switching.
24. Explain (i) Stop-and-Wait Automatic Repeat Request(ii) Go-Back-N Automatic Repeat Request
25. Explain about IPV6 header format

(2×15=30)

