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. Diffrentiate the terms dataword and codeword.

7. Explain how througput 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 meany 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)