21101559

QP CODE: 21101559

Reg No : .....

Name : .....

B.Sc/BCA DEGREE (CBCS) SPECIAL SUPPLEMENTARY EXAMINATION,JULY 2021

Fifth Semester

CORE COURSE - CS5CRT12 - COMPUTER NETWORKS

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

2018 Admission Only

2A627CB3

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What do you mean by layered task?
2. Define bandwidth.
3. What is meant by Barker sequence?
4. Distinguish STP from UTP.
5. Define VCI.
6. Explain the importance of hamming distance in error detection.
7. What is byte stuffing?
8. Differentiate ALOHA and CSMA.
9. What is meant by a logical address?
10. What is datagram?
11. What is choke point?
12. Define FTP.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain digital signal features.

14. Explain the process of line coding in digital to digital conversion.

15. Optical fiber is advantageous over other cables. Comment on it.

16. Differentiate Go-Back -N Automatic Repeat Request and Selective Repeat Request protocols in noisy channels.

17. Explain the architecture of Cellular Telephony.

18. What are the issues to be considered, when an Ethernet LAN and a wireless LAN are connected using a bridge?

19. Compare unicast, multicast and anycast IPv6 addresses.

20. Explain Threats.

21. Explain Traditional ciphers with example.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Define computer networks and protocols with its standards.

23. Compare circuit switching and packet switching.

24. Explain four generations of Ethernet.

25. What is IPV4? Explain in detail.

(2×15=30)