23128175

QP CODE: 23128175

Reg No : .....

Name : .....

B.Sc / BCA DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, OCTOBER 2023

Fifth Semester

CORE COURSE - CS5CRT12 - COMPUTER NETWORKS

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

2017 Admission Onwards

063141B4

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. What do you mean by telecommunication?
2. Define the term about attenuation.
3. What is the purpose of spread spectrum?
4. What is the difference between single mode fiber and multi mode fiber?
5. Which are the different phases in virtual circuit network?
6. Show and explain how the hamming distance between the words 10000 and 11010 is calculated?
7. What do you mean by flow control?
8. Explain how the energy level in the channel can be used for collision detection by CSMA/CD?
9. What is a transparent bridge?
10. List the names of reserved addresses in IPv6.
11. What is MTU?
12. Define Generic domain.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain the process of line coding in digital to digital conversion.
14. What do you mean by Digital to analog conversion?
15. What are the features of infrared waves?
16. Explain sender side and receiver side algorithm for stop and wait protocol.
17. What is hands off? Differentiate hard handoff and soft handoff.
18. List the classes in classful addressing and what are the purpose of each class?
19. What is UDP? Explain.
20. Explain the different type of request type in HTTP protocol
21. Explain the different section of Domain Name Space.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain different types of addressee are used in TCP IP Protocol suite
23. Explain circuit switching in detail.
24. What do you mean by Bluetooth technology? Explain various bluetooth layers with a neat diagram.
25. Distinguish between open loop and closed loop congestion control techniques.

(2×15=30)