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QP CODE: 25002506



Reg No	:	
Name	:	

B.Sc/BCA DEGREE (CBCS) SPECIAL REAPPEARANCE EXAMINATIONS, FEBRUARY 2025

Fifth Semester

CORE COURSE - CS5CRT12 - COMPUTER NETWORKS

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

2022 Admission Only

87D9DB86

Time: 3 Hours

Max. Marks : 80

Part A

Answer any **ten** questions. Each question carries **2** marks.

- 1. Define PCM.
- 2. Write a note about modulation.
- 3. What is meant by interleaving in multiplexing?
- 4. Which are the main spread spectrum techniques?
- 5. What is meant by spread spectrum?
- 6. Show and explain how the hamming distance between the words 10000 and 11010 is calculated.
- 7. Data Link layer can be considered as two sublayers. Briefly explain the function of each sublayer.
- 8. What is the difference in the format of unicast address,multicast address and broadcast address?
- 9. What is an address space? What is the address space of IPv4?
- 10. Draw the address format of a unicast IPv6 address.
- 11. What is jumbo payload?
- 12. Define root server.

(10×2=20)

Part B

Answer any **six** questions.

Each question carries **5** marks.



- 13. Explain the term about process to process delivery.
- 14. Explain digital signal features.
- 15. Compare datagram network and virtual circuit network.
- 16. Explain bit oriented protocols used in variable size framing.
- 17. What is hands off.Differentiate hard handoff and soft handoff ?
- 18. What are the role of connecting devices in a networks?
- 19. What is UDP? Explain.
- 20. Explain SMTP protocol.
- 21. Explain data encryption standards.

(6×5=30)

Part C

Answer any **two** questions. Each question carries **15** marks.

- 22. Write a details about data communication.
- 23. Compare circuit switching and packet switching.
- 24. Explain (i) Stop-and-Wait Automatic Repeat Request(ii) Go-Back-N Automatic Repeat Request.
- 25. Write note on a) QoS b) Window Policy c) Explicit signaling.

(2×15=30)