Reg. No ....   Name **23U348**

B C A DEGREE END SEMESTER EXAMINATION : NOVEMBER 2023
SEMESTER 3 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY
COURSE : **19U3CRBCA10 : COMPUTER NETWORKS**
(For Regular 2022 Admission and Improvement / Supplementary 2021/2020/2019 Admissions)

Time : Three Hours   Max. Marks: 75

PART A
Answer All (1 mark each)

1. Define client - server architecture
2. What is CIA triad in computer security?
3. What is the significance of the Ethernet code 100 BASE-TX?
4. What are the specification of 802.11g standard?
5. What are the two types of switching methods?
6. What is a spam?
7. What is the significance of shielded twisted pair?
8. What is framing?
9. State any three methods used for error detection and correction in data communication
10. What are the different properties of a signal?

(1 x 10 = 10)

PART B
Answer any 8 (2 marks each)

11. What are the differences between threat and an attack?
12. Differentiate between client server and peer to peer networks.
13. Define dynamic routing
14. What are the advantages and disadvantages of infrastructure mode wireless networks?
15. What is PSTN?
16. What are the active attacks in a computer security?
17. What are the objectives of routing?
18. What are the differences between workgoup and a domain?
19. What is multiplexing?
20. Describe message switching.

(2 x 8 = 16)

PART C
Answer any 5 (5 marks each)

21. Describe about IPV4 header format.
22. Describe the technologies that make up the dial up connection.
23. Write short note on propogation modes.
24. Calculate the CRC-checksum for x^9+x^7+1 by generator polynomial $x5+x^3+1$?
25. Explain Windows NT domain models.
26. Define bridge and the functions of bridge in networking
27. What are the advantages and disadvantages of stop and wait ARQ,go-back-n ARQ,selective repeat ARQ?

(5 x 5 = 25)

PART D
Answer any 2 (12 marks each)

28. What is WAN switching? Explain the types of WAN switching techniques in detail.

29. Explain IPV4 addressing. Discuss about IPV4 datagram format.

30. Illustrate the wiring standards and cabling used in networking.

31. Describe in detail about LINUX operating system.

(12 x 2 = 24)