B.Sc DEGREE (CBCS) REGULAR / IMPROVEMENT / REAPPEARANCE EXAMINATIONS, OCTOBER 2024

Third Semester

B.Sc Computer Applications Model III Triple Main

Core Course - CT3CRT01 - COMPUTER NETWORKS

2017 Admission Onwards

BAC60A2B

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

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

1. Define Bit rate and Baud rate.

2. Define syntax.

3. Define physical addressing.

4. Define TDM.

5. Define Fibere optic cable and its applications.

6. Define CSMA.

7. Different generations of cellular telephony.

8. Define repeaters.

9. Explain features of TCP.

10. Define IPv4 in Network Layer.

11. Define DNS.

12. Define threats.

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain different types of network.

14. Explain transmission impairment.

15. Explain network layer with diagram.

16. Explain FDM.

17. Explain Datagram network with neat diagram.

18. Explain CRC.

19. Explain Framing.

20. Explain UDP.

21. Explain closed loop congestion control.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain guided and unguided media.

23. Explain Noisy and Noisless protocol.

24. Explain IPv4 and IPv6 addressing.

25. Explain symmetric and asymmetric key cryptography.

(2×15=30)