SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2025

(CBCSS-PG)

(Regular/Supplementary/Improvement)

CC19P CSS2 C08 - COMPUTER NETWORKS

(Computer Science)

(2019 Admission onwards)

Time: 3 Hours   Maximum: 30 Weightage

Part-A

Answer any *four* questions. Each question carries 2 weightage.

1. Cite the topologies available in networks

2. Explain in detail circuit switching.

3. Explain briefly application layer protocol

4. Explain classful addressing

5. Describe a) PPP b) ATM

6. Discuss the properties of secure communication.

7. Explain different security counter measures in cryptography.

(4 × 2 = 8 Weightage)

Part-B

Answer any *four* questions. Each question carries 3 weightage.

8. Discuss SMTP as an electronic mailing protocol.

9. Illustrate the DNS and its services.

10. Describe the congestion control mechanism in networks.

11. Discuss static routing algorithms.

12. Describe different parity check methods.

13. Short note a) Switches b) Hubs

14. Discuss Digital Signature.

(4 × 3 = 12 Weightage)

Part-C

Answer any *two* questions. Each question carries 5 weightage.

15. Discuss guided transmission media in networks with example.

16. Review TCP and UDP.

17. Explain various multiple access protocols.

18. Explain ARP.

(2 × 5 = 10 Weightage)

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