SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2024
(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 different categories of networks.

2. Describe different types of delays in networks.

3. Explain SMTP in detail.

4. Discuss router architecture with a neat figure.

5. Explain ARP.

6. Describe Cryptographic Hash Functions and Message authentication code.

7. Describe different security counter measures in cryptography.

(4 × 2 = 8 Weightage)

Part-B
Answer any *four* questions. Each question carries 3 weightage.

8. Expalin HTTP and its message formats.

9. Apply socket programming with TCP

10. Discuss TCP connection and TCP segment structure.

11. Explain Distance Vector routing with example.

12. Describe hamming code with example.

13. Summarize a) PPP b) ATM

14. Discuss the properties of secure communication.

(4 × 3 = 12 Weightage)

Part-C

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

15. Describe OSI layer and its services.

16. Review TCP and UDP.

17. Summarize various multiple access protocols.

18. Explain Ethernet.

(2 × 5 = 10 Weightage)

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