

21P261

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Name:

Reg.No:

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, APRIL 2022

(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. Discuss wired media of transmission.
3. Discuss HTTP message formats.
4. Describe switching techniques used in networking.
5. Explain ARP.
6. Describe 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. Describe SMTP in detail.
9. Demonstrate socket programming with TCP.
10. Summarize concepts of UDP.
11. Describe dynamic routing algorithms.
12. Discuss hamming code with example.
13. Describe Channel partitioning protocols and Random access protocols.
14. Explain Digital Signature.

(4 × 3 = 12 Weightage)

Part-C

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

15. Summarize packet switching and circuit switching.
16. Discuss with a diagram the structure of TCP segment, and 3- way handshaking in TCP connection.
17. Summarize (a) Hubs (b) Bridges (c) Switches
18. Describe (a) PPP (b) ATM

(2 × 5 = 10 Weightage)
