

CSM42 Computer Networks & Security

694

REG. NO

OCTOBER 2021

Time: Three hours

Maximum Marks: 75

- Note:
1. Answer ALL the questions in PART-A (1 mark each)
 2. Answer any ONE question from each unit in PART-B (3 marks each)
 3. Answer any ONE question from each unit in PART-C (10 marks each)
 4. The question paper contains TWO Pages

PART-A (1x10=10)

1. List the components of a data communication system.
2. What is the full form of VSAT?
3. Define protocol.
4. List the services of ISDN.
5. Define socket.
6. List the types of IP address.
7. Define Digital signature.
8. What is e-mail security?
9. List any two types of computer viruses.
10. What do you mean by honey pots?

PART-B (3x5=15)

UNIT-I

11. Explain about peer to peer network.
12. Write short notes on Gateways.

UNIT-II

13. Write about Gigabit Ethernet.
14. Draw the FDDI frame format.

UNIT-III

15. Explain connection oriented and connectionless services.
16. Write short notes on IPV6.

UNIT-IV

17. Write short notes on passive and active attacks.
18. What is Kerberos?

UNIT-V

19. How do you protect a computer system from SPAM?
20. Write short notes on WLAN detection.

PART-C (10x5=50)

UNIT-I

21. Explain the following topologies with diagram (i) Star (ii) Ring.
22. Discuss about Twisted pair cable and its types with diagram.

UNIT-II

23. Explain OSI model with neat diagram.
24. Define switching. Explain any two types of network switching with diagram.

UNIT-III

25. Explain TCP/IP model with neat diagram.
26. Explain the following application layer protocols (i) FTP (ii) DNS

UNIT-IV

27. Explain AES algorithm in detail.
28. Discuss IP security overview and its architecture in detail.

UNIT-V

29. Discuss about the historical hacking techniques in detail.
30. What is a firewall? Explain any two types of firewall.
