

Reg. No

Name

22U342

BCA DEGREE END SEMESTER EXAMINATION : OCTOBER 2022

SEMESTER 3 : MOBILE APPLICATIONS AND CLOUD TECHNOLOGY

COURSE : 19U3CRBCA10 : COMPUTER NETWORKS

(For Regular - 2021 Admission and Improvement / Supplementary - 2020 Admission)

Time : Three Hours

Max. Marks: 75

PART A

Answer All (1 mark each)

1. What are the major elements of VSAT?
2. List the functions of presentation layer.
3. What is TCP port number for TELNET?
4. Write any two Class B network address.
5. What are the specification of 802.11g standard?
6. What is a Firewall?
7. What is Rollover cables?
8. What does it mean by flow control in a network?
9. What is a Spam?
10. Define congestion

(1 x 10 = 10)

PART B

Answer any 8 (2 marks each)

11. What are the different elements determining of the routing techniques?
12. Explain different features of gateways
13. Define NIC
14. What are the benefits of including secure network access with SSL VPN?
15. Explain the address structure of IPV6?
16. Describe packet switching.
17. How to determine the quality of Internet connection.
18. Discuss the drawbacks of Dijkstra's shortest path algorithm
19. Explain the networking features of LINUX operating system.
20. What are the components required to make a remote access dial up connection?

(2 x 8 = 16)

PART C

Answer any 5 (5 marks each)

21. What is piggy backing? explain with suitable example.
22. Explain the features of Mac operating system.
23. Describe unguided transmission media.
24. Describe IPV4 addressing.

25. Write short note on propagation modes
26. Compare circuit switching and packet switching.
27. Explain any 6 Network Utilities commands in detail

(5 x 5 = 25)

PART D

Answer any 2 (12 marks each)

28. Describe in detail about Mac Operating system.
29. What is WAN switching? Explain the types of WAN switching techniques in detail.
30. What is tunnelling? Briefly describe the protocols IPSec, SSL and TLS.
31. Illustrate with neat diagram of different topologies of networks and explain pros and cons

(12 x 2 = 24)