(Pages : 4) N – 2970

Reg. No. : 33211069014

Name : Akhil

Third Semester B.C.A. Degree Examination, March 2022

Career Related First Degree Programme under CBCSS

Group 2(b) – Computer Applications

Core Course

CP 1341 : COMPUTER NETWORKS AND SECURITY

(2019 & 2020 Admission)

Time : 3 Hours Max. Marks : 80

SECTION – A [Very Short Answer]

(*One Word to Maximum of Two Sentences. Answer* **all** *Questions. Each question carries* **1** *mark*)

1. Define SOCKET.
2. CSMA stands for?
3. Define Gateway.
4. What do you mean by transmission rate?
5. Define decryption.
6. A ———————— connection provides a dedicated link between two devices.
7. Explain flow control.
8. What do you mean by data?

P.T.O.

PONTSPA

9. What is message digest?

10. DNS stands for?

(10 × 1 = 10 Marks)

SECTION – B [Short Answer Type]

(Not to Exceed **One** Paragraph. Answer any **eight** questions. Each question carries **2** Marks)

11. What is the use of a bridge?

12. Define Datagram.

13. What is Baud rate?

14. Define Cryptography.

15. What is a PACKET?

16. Explain Hamming code.

17. Explain Token ring.

18. Explain any two advantages of computer networks.

19. What is remote login?

20. Define digital signature.

21. What is a Cipher?

22. Explain connection less protocol.

23. What is Microwave?

24. Define Anti virus.

25. Explain Simplex protocol.

26. What is flooding?

(8 × 2 = 16 Marks)

SECTION – C [Short Essay Type]

(Not to exceed **120** words. Answer any **six** questions. Each Question Carries **4** marks)

27. Explain Point to Point connection.

28. Explain Encryption.

29. What is Link state routing?

30. Explain Go-Back-N ARQ.

31. Write note on Indian copyright act.

32. Explain symmetric key cryptography.

33. Write note on CSMA.

34. Write in detail about Twisted pair cable.

35. Explain Packet switching. Datagram packets and virtual circuit sw

36. What is bit oriented protocol?

37. Explain the working of DNS.

38. Explain the services of transport layer in TCP/IP Model.

(6 × 4 = 24 Marks)

SECTION – D [Long Essay Type]

Answer any **two** questions. **Each** question carries **15** marks.

39. Explain different types of cryptographic algorithms.

40. What are the data transmission modes in a network?

41. Explain Sliding window protocol in detail.

42. Briefly explain different switching methods.

43. Explain ISO-OSI model.

44. Draw a neat diagram and explain TCP packet format

(2 × 15 = 30 Marks)
