

E 7221

(Pages : 2)

Reg. No.....

Name.....

B.C.A. DEGREE (C.B.C.S.S.) EXAMINATION, OCTOBER 2017

Fifth Semester

Core Course—COMPUTER NETWORKS

(2013 Admission onwards)

Time : Three Hours

Maximum Marks : 80

Part A

Answer all questions.

Each question carries 1 mark.

1. Define Computer Networks ?
2. What do you mean by attenuation ?
3. What are Datagrams ?
4. What is Burst error ?
5. Define Hamming distance.
6. What do you mean soft hand off ?
7. What do you mean Piconet ?
8. What is anonymous FTP ?
9. What are user agents in E-mail architecture ?
10. Define Periodic Signals.

(10 × 1 = 10)

Part B

Answer any eight questions.

Each question carries 2 marks.

11. What are the uses of Computer Network ?
12. What are different types of Networks ?
13. What is a Microwave Transmission ?
14. What do you mean by Multiplexing ?
15. Briefly write about VRC method.

Turn over

16. Explain feature of MEO satellites.
17. What is pure ALOHA ?
18. What is logical addressing ?
19. What do you mean by Piggy backing ?
20. Write the frame format of IPV4 packet.
21. Define frequency reuse principle.
22. What is the purpose of congestion control algorithms ?

(8 × 2 = 16)

Part C

Answer six questions.

Each question carries 4 marks.

23. Explain various transmission impairments.
24. Short note on TDM.
25. Short note on stop and wait on a noisy channel.
26. Explain various bluetooth layers.
27. Short note on UDP.
28. Explain IPV4 addressing.
29. Explain IRC method.
30. Explain any two wired Transmission media.
31. Short note on TCP/IP protocol suite.

(6 × 4 = 24)

Part D

Answer any two questions.

Each question carries 15 marks.

32. Explain various switching techniques.
33. Explain functions of various layers of ISO/OSI reference model.
34. Explain various congestion control algorithms.
35. Explain architecture of E-mail.

(2 × 15 = 30)