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Reg. No.....

Name.....

B.C.A. DEGREE (C.B.C.S.S.) EXAMINATION, APRIL 2018

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. Name any two wireless transmission media ?
2. Expand the term CSMA.
3. What do you mean by bandwidth ?
4. What are the uses of parity bits ?
5. What is anonymous FTP ?
6. What do you mean by scatter net ?
7. What is a server ?
8. What do you mean by user agents in E-mail architecture ?
9. Define the term periodic signal.
10. Define the term computer networks.

(10 × 1 = 10)

Part B

*Answer any eight questions.
Each question carries 2 marks.*

11. What are the various uses of networks ?
12. Define frequency reuse principle ?
13. What is the use of congestion control methods ?
14. What is the purpose of switching ?
15. Explain the use of Meo satellites ?

Turn over

16. What do you mean by piggybacking ?
17. Write frame format of IPv4 protocol.
18. Explain the term distortion.
19. Write functions of presentation layer.
20. What is error control ?
21. Explain flow control methods in noisy channels.
22. What do you meant by Soft Hand Off ?

(8 × 2 = 16)

Part C

*Answer any six questions.
Each question carries 4 marks.*

23. Discuss various types of errors.
24. Differentiate connection oriented and connectionless service.
25. Explain briefly Satellite networks.
26. Explain UDP protocol in detail ?
27. Write short note on any one LAN standard ?
28. Explain various multiplexing techniques.
29. Write short note on Bluetooth.
30. Write a note on Cyclic Redundancy Check.
31. Compare OSI model and TCP/IP protocol suite.

(6 × 4 = 24)

Part D

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

32. Explain various guided media.
33. Explain various switching techniques.
34. Explain briefly various congestion control techniques.
35. Write short note on ALOHA protocols.

(2 × 15 = 30)