

E 1499

(Pages : 2)

Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, MARCH 2015

Fourth Semester

Core Course—COMPUTER NETWORKING AND INTERNET

(For B.Sc. Computer Science)

[2013 Admissions]

Time : Three Hours

Maximum : 80 Marks

Part A

*Answer all questions.
Each question carries 1 mark.*

1. What is a computer network ?
2. Expand ISP.
3. What is LAN ?
4. What is network topology ?
5. Expand SNMP.
6. What are packets ?
7. What is the range for Bluetooth ?
8. Expand URL.
9. What is a web server ?
10. What are protocols ?

(10 × 1 = 10)

Part B

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

11. What is the role of the physical layer ?
12. What are leased lines ?
13. What are coaxial cables ?
14. What is ring topology ? What is its use ?
15. What is frame relay ?
16. Why do you need DNS ?
17. What is wireless LANs ?

Turn over

18. Write a note on WWW.
19. What is WAP ?
20. What is authentication ?
21. Write a note on CSMA/CD.
22. Why do flooding occurs ?

(8 × 2 = 16)

Part C

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

23. Explain the functions of data link layer.
24. Write a note on Broadband communication.
25. Describe the features of WAN.
26. What is an IP address ? Discuss the different classes of IP addresses.
27. Describe the features of Electronic mail.
28. Compare FTP and TFTP.
29. Write a note on Satellite television networks.
30. Compare HTML and XML.
31. Write a note on Internet routing.

(6 × 4 = 24)

Part D

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

32. Explain TCP/IP reference model with a diagram.
33. Describe the distance vector routing algorithm with an example.
34. What is data encryption? Explain a method for it.
35. Describe the features of various wireless networks.

(2 × 15 = 30)