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Reg. No.....

Name.....

B.Sc. DEGREE (C.B.C.S.S.) EXAMINATION, NOVEMBER 2022

Fourth Semester

Core Course—COMPUTER NETWORKING AND INTERNET

(For B.Sc. Computer Science)

[2013—2016 Admissions]

Time : Three Hours Maximum Marks : 80

Part A

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

1. What is BER ?
2. What is VC ?
3. What is IXC ?
4. What is UTP ?
5. What is FTTH ?
6. What is the speed of Fast Ethernet ?
7. What is MAC ?
8. What is GSM ?
9. What is XML ?
10. What is WAP ?

(10 × 1 = 10)

Part B

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

11. What do you mean by QoS ?
12. What is ISDN ?
13. What is bus topology ?
14. What is MAN ?
15. What is CSMA/CD ?
16. What is a bridging hub ?
17. What is Wireless LAN ?

Turn over

18. What is a cable modem ?

19. What is a geostationary satellite ?

20. What is mobile IP ?

21. What is cryptography ?

22. What is DNS ?

(8 × 2 = 16)

Part C

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

23. Explain briefly the cable structure and transmission modes of optical fibers.

24. Explain briefly the UDP and its layers.

25. Explain briefly the VLAN IEEE 802.1 Q frame format.

26. Explain briefly the frame relay's frame format and routing.

27. Explain briefly the address format of Class A, B and C IP addresses.

28. Explain briefly DHCP.

29. Explain briefly the operation of FTP between a client and server.

30. Explain briefly the advantages of email.

31. Explain briefly the HTTP protocol stack.

(6 × 4 = 24)

Part D

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

32. Explain ISO OSI model in detail with the functionality and components of each of its layers with diagrams and illustrations.

33. Explain distance vector routing protocol with diagrams and illustrations.

34. Explain MIME in detail with diagrams and illustrations.

35. Explain TFTP in detail with diagrams and illustrations.

(2 × 15 = 30)