ROLL No: Total number of pages:[1]

4+2=6

B.Tech. || CSE ||5ᵗʰ Sem
Computer Networks-II
Subject Code: BTCS-501A (RP)
Paper ID:

May 2018
Reappear.
2015 Batch onwards

Time allowed: 3 Hrs   Max.Marks:60

Important Instructions:

- All questions are compulsory
- Assume any missing data

PART A (10×2marks)

Q. 1. Short-Answer Questions:
- (a) What is Wild Card Mask and Explain, how it is different from subnet mask?
- (b) What is Loopback Address?
- (c) Write down the difference between Packet and Frame
- (d) Write down the difference between transmission and communication
- (e) What is Frequency Reuse?
- (f) What is Trunking?
- (g) Explain Active & Passive Attacks?
- (h) What are the Advantages & Disadvantages of Bluetooth Technology?
- (i) Write down the difference between Active Hub & Passive Hub?
- (j) Define Circuit Switching.

PART B (5×8marks)

Q. 2. What is Spanning Tree Protocol? Explain its features with suitable example?

OR   CO1

Explain concept of Switching, and its types also, Discuss in which switching technique each packet of message follows the same path from sender to receiver?

Q. 3. Differentiate IPv4 and IPv6 with its header format

OR   CO2

Discuss about Routing Protocols in networking, also explain in detail about OSPF & EIGRP?

Q. 4. Discuss Access Control List Technology, Explain How it Helps in traffic Filtering with suitable example?

OR   CO3

Discuss in Brief: (i) MLPPP (ii) Metro Ethernet (iii) VLAN (iv) MPLS

Q. 5. Write down the techniques for improving the coverage and capacity of channel in Cellular System   CO5

OR

What is Cellular Network? Explain its working with suitable example along with features of 1G,2G, 3G

Q. 6. Explain in Brief about classification of routing protocols in wireless Adhoc Networks   CO4

OR

What is difference between Sender initiated and receiver initiated contention Based MAC Protocols, write down its design issues of MAC Protocols