

CS 010 604 COMPUTER NETWORKS

MODEL QUESTION PAPER

Maximum Time: 3Hr

Maximum Mark : 100

PART A (Answer all Questions)

1. Write a brief note on High Speed Networks
2. What are the physical properties of IEEE 802.3
3. Explain about IP address and what is its significance
4. Write a short note on Remote Procedural Call
5. Explain about WWW

5 x 3 = 15 Marks

PART B (Answer all Questions)

6. What are the hardware requirements for setting up a computer network and what are the factors affecting the efficiency of network
7. Write a note on a) Bluetooth b) WiFi c) Wimax
8. Explain about spanning tree Algorithms
9. What are the TCP Congestion control mechanisms
10. Write a short note on Domain Name System

5 x 5 = 25 Marks

PART C (Answer all Questions)

11. Explain the significance of Layerd Netwok Architecture and Write i detail about ISO OSI Architecture

OR

12. what are the factors affecting the performance of Computer Networks and Explain each one in detail and give a sugession for improving the performance of High Speed Networks

13. Explain about different Framing Techniques

OR

14. Write a short note about Sliding Window concept and Explain different Data Link Layer protocols.

15. Explain about different switching schemes and its advantages and Limitations

OR

16. Write down the difference between Distance vector routing and Link state routing and explain any one with the help of a subnet

17. Explain the frame format of TCP header and compare it with UDP protocol, and its design issues.

OR

18. Explain different congestion control mechanisms and give detail about Source based Congestion avoidance

19. Write down the working of E-mail and what are the application layer protocols supporting the reliable delivery of email to the correct destination address.

OR

20. Write a note on

- (a) FTP
- (b) SNMP
- (c) DNS
- (d) Cryptography

5 x 12 = 60 Marks