Question bank (I-scheme)

Name of course : Computer Networking and Data communication system.

Course Code : (22634) **Unit Test : 1**

Semester : VI **Course : CND**

Programme : EJ

Unit 1 Fundamentals of Data communication and state it's characteristics and network topology . (16 Marks)

2 . Marks Questions.

1 . Define data communication and state its characteristics.

2 . List the modes of data transmission .

3 . Define (a) signalling Rate .

(b) Bit Rate .

(c) Baud Rate .

4 . List different types of topology.

5. State the need of computer network .

6. State the network classification in details.

7 . Define computer network and protocol.

4. Marks Questions .

8. Explain the functions of components of data communication with block diagram .

9. Describe serial data transmission with frame format (asynchronous) state it's advantages, disadvantages and applications .

10. Describe asynchronous data transmission and state its applications .

11. Compare serial and parallel data transmission

12. State advantages of Computer Network .

13. Which Criteria should be followed while designing a computer .

14. Compare LAN , WAN , MAN

15. Draw block schematic of star and ring topology state their advantages and disadvantages .

16.State advantages of client server over peer server to peer model.

17 . Explain point to point , multipoint and broadcast network.

Unit 2 . Network models . (12 Marks)

2 . Marks Questions

18. Draw ICP/IP protocol suite .

19. State any four functions of data link layer of OSI model .

20. List addressing modes TCP/IP

4. Marks Questions .

21. Describe positive addressing modes in TCP/IP.

22.Draw OSI reference model state function of application layer , Network layer .

23.State the function of session layer and physical layer.

UNIT 3. Physical layer . (8 Marks)

2. Marks Questions .

24. Define multiplexing , list types of multiplexing .

25.State advantages of WDM.

26. State classification of transmission media .

27.State applications of coaxial cable and optical fibre cable .

4. Marks Questions

28. Compare twisted pair coaxial and optical fibre cable .

29. Draw construction of UTP and STP state , their applications .