BCA - 5th Semester
Computer Network

Important Questions

Q1 what do you understand by data Communication
Explain the components of data communication.

Q2 Explain Network Criteria and what do you
understand by standards.

Q3 what is congestion Control algorithm?
Explain with example.

Q4 what is the essence of modems? How DTE-
DCE Interface works.

Q5 what do you understand by routing?
Explain any routing protocol in detail.
Differentiate between static and Dynamic Routing.

Q6 Draw a neat diagram of OSI model and
Explain the functioning of each layer.

Q7 write short notes on:

a) Network Topology

b) LCP

c) Error Control

d) Transmission modes.

Q8. Difference b/w OSI & TCP/IP model.

Q9 Explain transmission medium. what do you understand by guided & unguided media

Q10 Explain about Attenuation, Noise, distortion & Throughput.

Q11 what do you understand by multiplexing? what are its different types.

Q12 what do you mean by ISDN mean? Explain the Service of ISDN.

Q13 what do you mean by error detection.

Q14 Write a short notes on:
1) Gateways
2) Shannon's Capacity
3) CSMA/CD
4) DTE-DCE Interface.

Q15 what is connection-less service provided by the transport layer?

Q16 Discuss different protocols at application layers.

Q17 Explain the following term
  a) Twisted pair
  b) Coaxial Cables
  c) Optical fiber

Q18 Give the differece between LAN, MAN, and
    WAN.

Q19 Describe different Types of network topologies
    with diagrams.

Q20 Write a short note on:
  a) Propagation speed and time.
  b) Throughput

Q21 What is synchronous protocol in data
    link layer? Also Explain their types in brief.

Q22 Explain the difference between N-ISDN and
    B-ISDN.

Q23 Explain the following:
  1) Leaky Bucket algorithm
  2) Token Bucket algorithm

Q24 What is IPv6? Give the advantage of IPv6
    over IPv4? Also give the structure of IPv6.

25 Explain two-way handshake method of connection
   establishment? what are the main problems with
   two-way handshaking?