Major Question Asked from Textbook Ch:-

CHP NO:-1 Introduction:

1) Compare TCP/IP & OSI
2) Design issue of layer
3) Compare Network topologies.
4) Compare Connectionless & Connection Oriented Services.
5] OSI Model.

CHP NO:-2 Physical layer.

1] Guided Medium/Media
2] Bluetooth
3] Virtual lan.
4] Modes of Propagating light (Fiber Optics)

CHP NO:- 3 Data link layer.

1] Design Issue
2] Different Framing Method.
3] Error Detection & Correction
4] CSMA Protocol (IMP) + CSMA/CD
5] Four function of Data link layer.
6] Aloha + Difference between them.
7] Ethernet
8] GO-Back-N tech. & Selective Repeat and There Difference.
9] HDLC (Not that Imp)

CHP NO:- 4 N/W Layer

1) Open & Closed loop Congestion Control
2) Token & Leaky Bucket.
3) Distance Vector Routing
4) Link state Routing.
5) Protocols :-
   - → ARP → ICMP
   - → RARP → IGMP
6) Need of Congestion Control
7) QoS
8) Count to Infinity Problem.
9) Function of IP Protocol
10) Dijkastra
11) Subnetting
12) Supernetting } (Sum)
13) IPv4

(Plus Sums on ISP).

14) NAT
15) ~~DHCP~~

CHP No:- 5 Transport Layer.

1] Berkely Socket.
2] TCP/IP Model
3] How TCP handles Error & flow control.
4] Transport Primitive Services.
   - Connection-less
   - Connection-Oriented
5] TCP Connection Management.
6] Write a Program on Client-Server using Socket Prog.
7] TCP State Transition.
8] TCP Timers.
9] TCP Congestion Control (Ref. PPT)
10] TCP Flow Control (Sliding Window)

CHP NO:- 6 Application Layer

1] DNS
2] HTTP
3] SMTP
4] Telnet
5] FTP
6] DHCP