Question Bank (K-Scheme)

Name Of Subject: Computer network &Data communication   Unit Test: II

Subject Code: 316338   Course: EJ6K

Semester: VI

Unit - III Data Link Layer   8M

4 Marks Questions

1. Describe one bit sliding window protocol under normal condition and with damaged frame with suitable diagram
2. Explain stop and wait ARQ protocol with example and diagram
3. Explain stop and wait protocol under noisy condition
4. Explain GO-back –N ARQ protocol with example and diagram

Unit - IV Network layer and Transport layer   12M
2 Marks Questions

1. State the need of IPV6.
2. State the roll of NAT
3. Define firewall? State its two functions
4. Define port number? draw format of port address
5. List any 4 transport layer services
6. Define cryptography

4 Marks Questions

1. Compare IPV4 and IPV6 on the basis of i) address length ii)packet size iii)configuration iv) IP security.
2. Explain IPV4 addressing in detail
3. Compare class full and classless addressing .state any two disadvantages of class full addressing
4. Find sub network address and host id of

IP address	mask
200.34.22.18	255.255.255.240
147.181.14.16	255.255.224.0

5. Explain the function of packet filter fire wall with diagram
6. Explain the function of proxy based fire wall with diagram
7. State the port number of following services
   a)HTTP b) SMTP c) TELNET d)DNS

8. State the uses of port address

9. Compare TCP and UDP

10. Draw block diagram of cryptography. state the function of each component

11. Explain asymmetric cryptography with block diagram.

12. Compare symmetric and asymmetric cryptography any four points

Unit - V Application layer   14M
2 Marks Questions

1. List any four application layer protocol.
2. State the function of DNS.
3. Define domain name resolution. State its type
4. State the different domain name with example
5. State applications of SMTP
6. State any 4 features of IMAP
7. State the function of NVT in TELNET

4 Marks Questions

8. Draw the components of DNS architecture and state the function of each.
9. Explain the different domain name server with examples
10. With the help of block diagram explain he function of DNS in internet.
11. With the help of block diagram explain the working of SMTP is used for data transfer.
12. Describe the working of POP3 with diagram.
13. Describe the working of IMAP with diagram
14. Compare POP3 and IMAP
15. With the help of block diagram Describe the steps to transfer files using FTP
16. With the help of block diagram Describe TELNET usedfor remote logging.