Module 4

1. Illustrate with diagram and explain the IANA ranges
2. Explain the user datagram format with a neat diagram.
3. Illustrate the concept of queuing in UDP.
4. Explain the three phases of a TCP connection.
5. With neat diagram, explain the TCP segment. Also, explain the control filed of TCP in detail.
6. Discuss the different techniques used to improve the Quality of Service
7. Explain the three phases of congestion control mechanism used in TCP with necessary diagrams.

Module 5

8. Explain the concept of Domain Name Space.
9. Describe DNS in the internet.
10. Explain the Email architectures elaborating on the different scenarios in detail.
11. Discuss the functions of a network management system.
12. How does Recursive Resolution different from Iterative Resolution.
13. Define HTTP. Illustrate the HTTP transaction between the client and server.
14. Describe FTP in detail.