Answer any **FIVE** questions
All questions carry equal marks

Date: 4th April 2022
Duration: 3 Hours

Total Marks: 100

1. Highlight the specific areas of development in telecommunication technology transforming into the advent of networking technology..

2. Distinguish between types of network and network topologies. Discuss their interrelationships illustrating with library networks.

3. Write an essay on INFLIBNET covering its genesis, development, services, programmes and projects.

4. Write short notes on any TWO of the following
   a) What is Z39.50? Highlight its implications on Library networking
   b) WoldCat and Its implied use in Library Networks
   c) What is TCP/IP? Explain the layers of its composition

5. Discuss the structure and Types of IP Addresses. Compare IPv4 and IPv6

6. Discuss the following:
   a) Genesis and Development of OCLC and its services
   b) HTTP and its structure and functions facilitating access to WWW

7. Discuss the functional components of World Wide Web. Highlight characteristics of any three search engines and their search methods.

8. Examine the role of different layers of OSI standard. Discuss its importance in computer networking.

9. Write short notes on any TWO of the following:

   a) ISDN
   b) Web Servers List Servers
   c) DNS pattern and standards