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MLI-004

**POST GRADUATE DIPLOMA IN
LIBRARY AUTOMATION AND
NETWORKING (PGDLAN)
Term-End Examination
June, 2023**

**MLI-004 : NETWORKING AND INTERNET
TECHNOLOGY**

Time : 2 Hours

Maximum Marks : 50

(Weightage : 40%)

Note : *Attempt all questions. All questions carry equal marks. Illustrate your answer with suitable examples and diagrams, wherever necessary. Write relevant question number before writing the answer.*

1. What do you mean by IP address ? How does it differ from DNS ? Explain address formats for different classes of IP address.

P. T. O.

Or

Identify the components of computer network and describe their functions.

2. What do you mean by Asynchronous Transfer Mode (ATM) ? Describe the structure of ATM cell with suitable illustration.

Or

Describe the objectives of resource sharing networking. Discuss the role of cataloguing standards and 239.50 in library and information networks.

3. What is 'Library Consortia' ? How does it differ from a library network ? Discuss the services of any library consortia operating in India.

Or

What are the differences between 'Data Network' and 'Library Network' ? Describe the services of INFLIBNET.

4. Describe the use of Telnet, FTP and HTTP as Internet Protocols in data communication.

Or

Describe Internet addressing systems.

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5. Write short notes on any *two* of the following :
in about **250** words each :
- (a) Electronic document delivery
 - (b) Categories of Search Engines
 - (c) Virtual Private Network (VPN)
 - (d) Firewall