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MLI-004

**POST GRADUATE DIPLOMA IN
LIBRARY AUTOMATION AND
NETWORKING (PGDLAN)**

Term-End Examination

December, 2020

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

Time : 2 Hours

Maximum Marks : 50

(Weightage : 40%)

***Note :** Answer **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 is Internet Protocol ? Discuss various communication protocols used for Internet.

Or

What is meant by Virtual Private Network (VPN) ? Describe the essential elements to make a VPN function.

2. Discuss the features and functions of two-tier (client-server) and three-tier architecture for network operations with the help of diagrams.

Or

What is UNICODE ? Discuss its essential features.

3. Discuss the role of librarians in network-based information services.

Or

Describe the IFLA guidelines for resource sharing.

4. What do you understand by resource sharing ? Discuss the role of DELNET in resource sharing.

Or

Explain how information in Internet can be secured.

[3]

5. Write short notes on any *two* of the following in about **250** words each :

- (a) Satellite Communication
- (b) Digital Subscriber Line (DSL)
- (c) Domain Name System (DNS)
- (d) Categories of Search Engines