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MLI-004

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

Term-End Examination

June, 2026

**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 questions number before writing the answer.*

1. What do you understand by OSI model ?
Discuss its different layers with suitable diagram.

OR

Explain what is Virtual Private Network (VPN) ? Discuss the essential elements required for functioning of VPN.

2. What do you mean by 'Operating System' ? Describe various network operating systems.

OR

Describe the development of library networks in India.

3. What do you mean by 'Search engine' ? Discuss in brief categories of search tools.

OR

Explain what is IP address ? Discuss the structure of three classes of IP address.

4. What is Internet ? Differentiate between Intranet and Extranet.

OR

What do you understand by 'Transmission Media' ? Explain guided and unguided media with suitable examples.

[3]

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

(a) Z39.50

(b) Library Consortia

(c) ISDN Services

(d) Digital Subscriber Line (DSL)

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