

POST GRADUATE DIPLOMA IN LIBRARY AUTOMATION AND
NETWORKING (PGDLAN)

Term-End Examination

December, 2019

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 answers with suitable examples and diagrams, wherever necessary. Write relevant question number before writing the answer.

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

OR

1.2 Discuss the role of library networks in resource sharing. Describe the functions and services of DELNET.

2.1 What is UNICODE ? Discuss its essential features.

OR

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

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

OR

3.2 Discuss with examples different categories of search engines in the context of Internet.

4.1 What is SGML ? Make a comparison between XML and HTML as markup languages.

OR

4.2 Define Internet, Intranet and Extranet and discuss the features that differentiate them.

5.0 Write notes on any two of the following (in about 250 words each) :

- (a) Firewall
- (b) Computer viruses
- (c) Storage area network (SAN)
- (d) Copyright issues for resource sharing