

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

00502 **Term-End Examination**
June, 2014

**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 Identify the components of computer network and describe their functions.

OR

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

2.1 Explain different types of protocols used in Internet with examples.

OR

2.2 Describe the seven-layered OSI network model. Give examples of respective protocols used in first four layers.

3.1 Describe major functions of ISO Network Management Model.

OR

3.2 What is a data network ? Enumerate the existing data networks in India. Explain the activities and the services of any two of them.

4.1 Differentiate between Intranet and Extranet and discuss some of their applications in libraries.

OR

4.2 What is World Wide Web (WWW) ? How does it work ?

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

- (a) Satellite Communication
 - (b) ISDN
 - (c) Address Resolution Protocol
 - (d) RLIN
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