

00179

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

**Term-End Examination**

**June, 2016**

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

*Time : 2 hours*

*Maximum Marks : 50*

*(Weightage : 40%)*

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*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.*

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**1.1** What is meant by wide area network (WAN).  
Enumerate the important WAN technologies and  
explain them.

**OR**

**1.2** Describe ISO/OSI model for computer  
communication architecture.

**2.1** What are the functions that networking operating  
systems (NOS) perform ? Describe its different  
applications.

**OR**

**2.2** Describe the objectives of resource sharing  
network. Discuss the role of cataloguing standards  
and Z 39.50 in library and information networks.

3.1 What is 'network management' ? Discuss the challenges in 'network management'.

**OR**

3.2 Describe the requirements for accessing Internet.

4.1 Discuss the features of Spyware, Firewalls and Proxy servers for Internet security.

**OR**

4.2 What is Extranet ? Discuss its advantages and also its library applications.

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

- (a) Digital certificates
- (b) ILL code developed by IFLA
- (c) Components of resource sharing networks
- (d) Categories of search engines

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