

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

**Term-End Examination**

**June, 2011**

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

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**1.1** What is Internet Protocol ? Discuss various communication protocols used for Internet.

**OR**

**1.2** Explain Open System Interconnections (OSI) model.

**2.1** Discuss the ILL - code.

**OR**

**2.2** Describe X.25 devices and protocol operations.

3.1 Discuss the functioning of search engines. Explain relevance of meta - search engines in searching information.

**OR**

3.2 Discuss how LAN can be implemented for library applications and services ? What are the points to be kept in view in the implementation of library LAN ?

4.1. Discuss the role of DELNET in resource sharing.

**OR**

4.2 Discuss different types of computer viruses and suggest remedies for avoiding them.

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

- (a) OCLC
  - (b) V-SAT
  - (c) ISDN
  - (d) Extranet
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