

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

**Term-End Examination**

**June, 2012**

**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 guided transmission media ? Describe its different types with their characteristic features.

**OR**

1.2 Define LAN. Explain the different topologies used for LAN. Illustrate with diagrams.

2.1 What is ISDN? Describe ISDN devices.

**OR**

- 2.2 Discuss how three - tier architecture tries to overcome the limitations of two - tier architecture. Describe different types of middle ware products.
- 3.1 Discuss the needs and prerequisites of resource sharing .

OR

- 3.2 Describe inter-library loan (ILL) code developed by IFLA.
- 4.1 Explain Internet addressing systems with examples.

OR

- 4.2 What is a search engine ? Describe the different categories of search engines.
- 5.0 Write short notes on *any two* of the following :  
(about *250 words* each )
- (a) Network Card
  - (b) Firewall
  - (c) Internet 2
  - (d) Consortia

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