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

Term-End Examination

December, 2018

**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 Discuss briefly the role of transmission media in data communication. Make a comparative study of twisted copper pair, coaxial cable and fibre optic as guided transmission media. **3+7**

OR

1.2 Write down major role of each layer in OSI Reference Model. How does it differ from TCP/IP ? **7+3**

2.1 What do you mean by ISDN ? Discuss the features of BRI ISDN service and PRI ISDN service. **2+8**

OR

2.2 What is Domain Name System (DNS) ? Explain the components of the DNS entry - ignou.ae.in. Enumerate the use of Ping, Telnet and Finger Commands in TCP/IP. **2+3+5**

3.1 Discuss the role of NICNET as data network in 4+6
India. What are the objectives and services of
DELNET ?

OR

3.2 Enumerate the roles of MARC21, Unicode and 10
Z 39.50 as resource sharing standards.

4.1 What are the major features of ILL code of IFLA ? 5+5
Describe Document Delivery Services in India.

OR

4.2 Describe the use of Telnet, FTP and HTTP as 10
Internet protocols in data communication.

5.0 Write notes on any two of the following topics
(in about 250 words each) : 5+5

- (a) LAN topologies
 - (b) IP address
 - (c) Web searching tools
 - (d) Internet security
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