00523

POST GRADUATE DIPLOMA IN LIBRARY AUTOMATION AND NETWORKING (PGDLAN)

Term-End Examination

December, 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   What is TCP/IP ? Describe the tasks of each layer of TCP/IP.   **2+8=10**

OR

1.2   What do you mean by IP address ? How does it differ from DNS ? Explain address formats for different classes of IP address.   **2+2+6=10**

2.1   What is Asynchronous Transfer Mode (ATM) ? Describe the structure of a typical ATM-LAN. **2+8=10**

OR

2.2   Describe network operating systems.   **10**

3.1 What is resource sharing ? Discuss briefly the principles of resource sharing as proposed by IFLA. **2+8=10**

OR

3.2 Discuss in brief library and information services in networked environment. **1+2+7=10**

4.1 What do you mean by Internet Connectivity ? Describe the features for different categories of Internet connection options. **2+8=10**

OR

4.2 What is SGML ? Make a comparison between XML and HTML as markup languages. **2+8=10**

5.0 Write short notes on **any two** of the following : (about **250** words each) : **5+5=10**

- (a) Intranet
- (b) Meta search engine
- (c) Z 39.50
- (d) DELNET

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