| MLI-004 |

POST GRADUATE DIPLOMA IN LIBRARY AUTOMATION AND NETWORKING (PGDLAN)

00841

Term-End Examination

December, 2017

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 the role of transmission media in computer communication ? Make a comparative study of 'Coaxial cable' and 'Optical fibre' as guided transmission media. Enumerate the factors related with measuring performance of transmission media.   **2+5+3=10**

OR

1.2   What is TCP/IP ? Explain the application of TCP/IP in Internet as communication protocol.

2+8=10

2.1   What do you mean by 'Client-Server' architecture? Describe the features and advantages of Three-Tier architecture with suitable illustration.   **2+8=10**

OR

2.2 What is Network Operating System(NOS)? Enumerate the advantages of NOS in a computer network. Explain the use of following commands in NOS : **2+4+4=10**
  (a) ftp; (b) telnet;
  (c) finger; and (d) ping.

3.1 'No library is self sufficient in the era of information explosion' - Elucidate the statement in the light of resource sharing. Discuss the components of a model resource sharing network. **4+6=10**

OR

3.2 Discuss the essence of IFLA guidelines for resource sharing covering eight major principles as proposed by IFLA. **10**

4.1 What are the differences between 'Data network' and 'Library network'? Describe the services of INFLIBNET as library network. **3+7=10**

OR

4.2 Make a comparative study of Internet, Intranet and Extranet. Discuss how a library can utilize Internet as a platform for providing services. **6+4=10**

5.0 Write short notes on **any two** of the following in about **250** words each : **5+5=10**
  (a) ISO-ILL code
  (b) Internet Addressing System
  (c) Satellite Communication
  (d) Services of OCLC