POST GRADUATE DIPLOMA IN LIBRARY AUTOMATION AND NETWORKING (PGDLAN)

Term-End Examination

June, 2022

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 meant by 'Frame Relay' and 'Call Relay' ? Discuss the architecture of asynchronous transfer mode of data transmission.

OR

1.2 What is 'Network Topology' ? Describe its different types with their characteristic features.

2.1 What is Communication Protocol ? Describe any three Internet Communication Protocols.

OR

2.2 What are the objectives of a Library and Information Network ? Discuss the role of different standards in this context.

3.1 State various international principles for resource sharing and enumerate guidelines supported by any two of them.

OR

3.2 Discuss with examples different categories of search engines in the context of Internet.

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

OR

4.2 Explain the concept of 'Extranet'. Discuss its advantages.

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

(a) Fibre Optic Cable

(b) Domain Name System

(c) ISO/OSI Reference Model

(d) Instant Messaging

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