M.Lib. & Inf.Sci. (Semester - I) Examination,
November - 2016
LIBRARY AND INFORMATION SCIENCE (Paper - IV)
Information Technology Applications
Sub. Code : 47754

Day and Date : Friday, 25 - 11 - 2016
Time : 10.30 a.m. to 01.30 p.m.

Instructions : 1) All questions are compulsory.
               2) All questions carry equal marks.

Q1) A) Multiple choice questions (choose the correct answer) [10]

i) 'Slim' stands for __________.
   a) System for Library Information Management
   b) Software for Library Information Management
   c) Set of Library Information Management
   d) Scale for Library Information Management

ii) What is the full form of OSI?
    a) Organizational Standard Institute
    b) Open Systems Interconnection
    c) Operating System Internet
    d) Operating Set of Institutions

iii) Which of the following is not a switching system?
     a) Packet
     b) Circuit
     c) Router
     d) Message
iv) The correct sequence for flow of information is ________.
   a) Message - Sender - Receiver
   b) Sender - Message - Receiver
   c) Receiver - Message - Sender
   d) Sender - Receiver - Message

v) Didactic communication is ________.
   a) Intra - Personal
   b) Inter - Personal
   c) Organizational
   d) Relational

vi) The capacity (speed) of a data transmission medium is measured in bits per second. The name for this capacity is ________.
   a) Band width
   b) Data Measure
   c) Digital transfer rate
   d) Byte capacity

vii) Signs and Symbols are important components of ________ communication.
   a) Verbal
   b) Non-verbal
   c) One way
   d) Relational

viii) The term 'Information Technology' consists of ________.
   a) Communication technology
   b) Computer technology
   c) Reprographic, micrographic & printing technology
   d) All the above
ix) Find out the odd one _______.
   a) WAN   b) LAN
   c) MAN   d) DAN

x) During network connectivity, the use of ping command is for _______.
   a) To test a device on the network is reachable.
   b) To test a hard disk fault.
   c) To test printer quality.
   d) To test software problem.

B) Answer the following questions in one or two sentences:

i) What is the full form of LAN?

ii) Mention any two licensed software used for library automation.

iii) What is the full form of ISDN?

iv) 'Automation of cataloguing leads to OPAC'. State whether the statement is true or false.

v) The term automation was first introduced by whom?

vi) Who is the Pioneer in the field of RDBMS?

vii) Name the network in the device which can serve as both server and client.

viii) In computer network, if the data travels in both direction such type of communication is called _______.

ix) For what purpose RFID (Radio Frequency Indentification) is used in the Library?

x) What is NIC?
Q2) What is Transmission Media? Discuss various types of transmission medias.

OR

Define Library Automation. Discuss in detail automation of acquisition and cataloguing modules.

Q3) Write an essay on 'New-GenLib' Library software by explaining its modules, functioning and main features.

OR

What is network? Discuss in detail various components of network.

Q4) Write short notes (any four)

a) Planning and Implementation of Library automation

b) Switching Systems

c) Libsuite

d) Modern modes of communication

e) OSI Model

f) Automated Serial Control Module