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**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

Total Marks : 80

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

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- 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 : [10]
- 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 Identification) is used in the Library?
  - x) What is NIC?

**Q2) What is Transmission Media? Discuss various types of transmission medias. [20]**

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. [20]**

OR

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

**Q4) Write short notes (any four) [20]**

- 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

