V – 246

M.Lib. and Inf. Sci. (Semester – I) Examination, 2012
LIBRARY AND INFORMATION SCIENCE
Paper – IV : Information Technology Applications (Paper – I) (New)
Sub. Code : 47754

Day and Date : Monday, 26-11-2012   Total Marks : 80
Time : 10.30 a.m. to 1.30 p.m.

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

1. A) Choose the **correct** Multiple Choice Questions :   20

    1) A private network within an organization is called as

        a) Intranet   b) Internet

        c) Extranet   d) Inflibnet

    2) Telephone send and receive data in the form of

        a) Light signal   b) Analog signal

        c) Digital signal   d) None of the above

    3) The physical arrangement of computers (nodes) in a network is called

        a) Protocol   b) Note layout

        c) Topology   d) None of the above

    4) If the device in the network can serve as both server and clients, the network is said to be

        a) Horizontal   b) Peer to peer

        c) Hybrid   d) Vertical

    5) Data is transmitted using light source through

        a) Light pen   b) Fiber optical cable

        c) Twisted pair   d) Co-axial cable

P.T.O.

6) What are the main and important factors to be considered for selecting a suitable software for Libraries ?

   a) Cost

   b) Operating System

   c) Programming Language

   d) All the above

7) Signs and symbols are important components of _____ communication.

   a) Verbal

   b) Non verbal

   c) One way

   d) None of the above

8) 'SOUL' is a _____

   a) Library software

   b) Operating System

   c) Hardware

   d) Database

9) Which area of library operation can not be automated ?

   a) Book selection

   b) Circulation

   c) Serial control

   d) Cataloguing

10) Which is the first layer in 'OSI Model' ?

   a) Physical layer

   b) Data link layer

   c) Network layer

   d) Transport layer

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

   1) What is the name given for the rules used to allow successful data transmission for communication ?

   2) "Network Interface card is a network component". State whether it is true or false.

   3) What is OPAC ?

   4) Mention a modulation – demodulation device used for communication.

   5) Define 'Modulation'.

   6) What is the alternate name for tree topology ?

   7) What is a 'Computer Network' ?

   8) Mention any two open source software used for Library Automation.

   9) What is the full form of ICT ?

   10) State the three basic component (elements) of communication.

2. Write short notes (**any four**) :   20

   a) KOHA

   b) Types of switching system

   c) Hubs

   d) Modem

   e) Planning of Library Automation

   f) Types of Transmission Media.

3. What is meant by Library Automation ? Discuss in detail automation of acquisition
   and cataloguing modules.   20

                        OR

   Write on essay on 'OSI' Model.

                                                                                                        20

4. Write a detailed note on 'SOUL'.

                        OR

   Describe the conventional and modern modes of communication.

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