Seat No.

M. Lib. & Inf. Sci. (Semester-I) Examination, Nov. - 2013
LIBRARY AND INFORMATION SCIENCE
Information Technology Applications (Paper - IV)
Sub. Code : 47754

Day and Date : Thursday, 28-11-2013

Time : 11.00 a.m. to 2.00 p.m.

Total Marks : 80

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

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

a) In computer networks, if the data travels in one direction, such type of communication is called.

   i) Simplex   ii) Half - Duplex

   iii) Full - duplex   iv) Multiplexing

b) Slim is _____.

   i) Library software   ii) An operating system

   iii) Browser   iv) Hardware

c) _____ is a network system covering states, countries or the world.

   i) MAN   ii) LAN

   iii) WAN   iv) None of the above

d) Which is the last layer in OSI Model_____.

   i) Application Layer   ii) Presentation Layer

   iii) Session Layer   iv) Transport Layer

e) Hub, Switch, Cable ...... etc are the parts of _____.

   i) Automation   ii) Network component

   iii) Software   iv) None of the above

f) In computer connotation (terminology) 'OS' refers to_____.

   i) Offline System   ii) Operating System

   iii) Open Software   iv) Operating Schedule

P.T.O.

g) A_____ is a set of communication rules that governs data communication.
   i) Forum   ii) Protocol
   iii) Standard   iv) None of the above

h) 'SOUL' stands for _____.
   i) Software for Universal Libraries
   ii) Software for University Level
   iii) System of University Location
   iv) Software for University Libraries

i) Signs and symbols are important components of _____ communication.
   i) Verbal   ii) Non - Verbal
   iii) One way   iv) None of the above

j) Which one media is not used in wireless communication?_____.
   i) Radio wave   ii) Microwave
   iii) Satellite   iv) Macrowave

B) Answer the following questions in one or two sentences: [10]

   a) Mention the library areas (modules) covered under Library Automation.

   b) "Hub is a network component" state whether it is true or false.

   c) Who first designed OSI Model of communication?

   d) What is 'Gateway'?

   e) What is the full form of HTTP?

   f) Enumerate the conventional modes of communication.

   g) Which device is used to convert analog signals into digital signals and vice - versa?

   h) What is Computer Network?

   i) What is the name of network, if the device in the network can serve as both server and clients?

   j) What is the full form of ISDN?

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(2) Write short notes (any four): [20]

a) Modem

b) SOUL

c) Types of Transmission Media.

d) Optical Fiber.

e) Planning for Library Automation.

f) Modern modes of communication.

Q3) Write an essay on 'OSI Model'. [20]

OR

What is switching system? Discuss in detail various types of switching systems.

Q4) Write a detailed note on 'Koha' open source software. [20]

OR

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