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
Total Marks : 80
Time : 11.00 a.m. to 2.00 p.m.

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
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?
Q2) Write short notes (any four):

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’.

OR

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

Q4) Write a detailed note on ‘Koha’ open source software.

OR

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