M.Lib. & Inf.Sci. (Semester - I) Examination, November - 2015
LIBRARY AND INFORMATION SCIENCE (Paper - IV)
Information Technology Applications
Sub. Code : 47754

Day and Date : Friday, 20 - 11 - 2015
Time : 10.30 a.m. to 1.30 p.m.

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

Q1) A) Multiple choice questions (Tick mark ✓ the correct answers) : [20]

i) Which kind of network is the E-mail?
   a) Computer  
   b) Postal
   c) Television  
   d) None of the above

ii) To convert analog signals into digital signals and vice-versa, the ________ is used.
   a) Hub  
   b) Switch
   c) Modem  
   d) Server

iii) Koha is ________.
   a) Library Software  
   b) An Operating System
   c) Hardware  
   d) Database

iv) ISDN is an important development in the field of ________.
   a) Computer communication  
   b) Air communication
   c) Road communication  
   d) Rail communication

P.T.O.
v) Which one media is not used in wireless communication?
   a) Radio waves       b) Microwaves
   c) Satellite        d) Macrowaves

vi) Which is the first layer in OSI model?
   a) Physical layer    b) Data link layer
   c) Network layer     d) Transport layer

vii) Which of the following is not a transmission / communication protocol?
     a) IP             b) HTTP
     c) HTML           d) TCP

viii) 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

ix) Data is transmitted using light source through _________.
    a) Light pen           b) Fiber optical cable
    c) Twisted pair       d) Co-axial cable

x) Which area of library operation can not be automated?
   a) Book selection      b) Circulation
   c) Serial control      d) Cataloguing
B) Answer the following questions in one or two sentences.

i) What is the name of the software package developed by INFLIBNET?

ii) The term 'Ring' is related to what?

iii) Define 'Modulation'.

iv) What is 'bandwidth'?

v) What is the full form 'ICT'?

vi) Who first designed 'OSI' Model of communication?

vii) Mention any two open source software used for library automation.

viii) What is OPAC?

ix) State the three basic component (element) of communication.

x) What is mean by LAN?

Q2) Write short notes (any four) :

a) ISDN.

b) SOUL.

c) Planning of Library Automation.

d) Gateways.

e) Types of switching system.

f) Modem.