M. Lib. & Inf. Sci. (Semester - I) Examination, April - 2016
LIBRARY AND INFORMATION SCIENCE
Information Technology Applications (Paper - IV)
Sub. Code : 47754

Day and Date : Friday, 01 - 04 - 2016
Time : 11.00 a.m. to 02.00 p.m.

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

Q1) A) Multiple choice questions (choose the correct answer) : [20]
   a) Which is the most common internet activity used for communication purpose from the given below
      i) e-learning                  ii) e-commerce
      iii) e-business               iv) e-mail
   b) In computer connotation (terminology) ‘nt’ refers to -
      i) nation                    ii) network
      iii) nature                  iv) nomenclature
   c) A thin strand of glass wrapped on a protective coating used for networking purpose is called -
      i) Fiber optic cable         ii) Co-axial cable
      iii) Twisted pair cable      iv) None of these
   d) CD-ROM is an example of -
      i) Optical media            ii) Magnetic media
      iii) Hypermedia             iv) Transfer media
   e) In circulation system, charging means -
      i) Issuing of books         ii) Returning of books
      iii) Withdrawal of books    iv) Reservation of books

P.T.O.
f) A ‘Hub’ is a -
   i) Software program   ii) Malware
   iii) Protocol   iv) Network component

g) The term ‘communication’ came from which language?
   i) Greek   ii) Latin
   iii) German   iv) French

h) The term ‘Information Technology’ consist of -
   i) Communication Technology
   ii) Computer Technology
   iii) Reprographic, Micrographic, Printing technology
   iv) All the above

i) Libsys is -
   i) Library software   ii) an operating system
   iii) Hardware component   iv) A protocol

j) The capacity (speed) of a data transmission medium is measured in bits per second. The name for this capacity is -
   i) Bandwidth   ii) Data flow
   iii) Bit capacity   iv) Electronic transfer rate

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

a) What is gateway?

b) Who developed ‘SOUL’ library software?

c) Which type of switching system is the telephone network?

d) Name the device which convert analog signal into digital signal and digital signal into analog signal.

e) What is OPAC?

f) ‘NIC and routers are the part of network component’. State whether it is true or false.

g) The term ‘Mesh’ is related to -

h) What is the full form of ISDN?

i) The ‘jpeg’ extension refers to what kind of file?

j) What is the name of network, if the device in the network can serve as both server and clients?
Q2) What is mean by communication Technology? Discuss in detail the modern modes of communication. OR
Write a detailed note on ‘Koha’ open source software.

Q3) What is mean by library Automation? Explain the stages involved in planning of library automation and its implementations. OR
What is network? Discuss in detail various components of network.

Q4) Write short notes on any Four :
   a) Slim
   b) Types of transmission media
   c) Automated circulation module
   d) OSI model
   e) Switching system
   f) Libsuite

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