M.Lib. & Inf. Sc. (Semester – I) Examination, 2012
Paper – IV : INFORMATION TECHNOLOGY APPLICATIONS (Paper – I)
(New)
Sub. Code : 47754

Day and Date : Saturday, 5-5-2012   Total Marks : 80
Time : 3.00 p.m. to 6.00 p.m.

Instructions :
1) **All** questions are **compulsory**.
2) **All** questions carry **equal** marks.
3) Attempt **all** Multiple Choice Questions in the **main** answerbook.

1. A) Multiple Choice Questions :   20

     1) 'A Hub' is

         a) A software program   b) Malware

         c) A Hardware device   d) Network

     2) 'KOHA' software is developed by

         a) Horowhenua Library Trust

         b) Katipo Communication Ltd.

         c) Both a and b

         d) New Zealand Library Association

     3) The term 'Information Technology' consists of

         a) Communication Technology

         b) Computer Technology

         c) Reprographic Technology

         d) All the above

     4) Data is transmitted using light through

         a) Twisted pair   b) Coaxial cable

         c) Light pen   d) Fibre optic cable

     5) NIC is also known as

         a) Network Charger   b) Network Adapter

         c) Network Planner   d) Network Security Measure

P.T.O.

6) Which of the following network component connect networks of different physical media and network architectures ?

   a) Router

   b) Hubs

   c) Network Interface Card

   d) Modem

7) Types of ISDN are

   a) Basic Rate Interface

   b) Primary Rate Interface

   c) Secondary Rate Interface

   d) Both 'a' and 'b'

8) The electronic roadways along which signals are transferred is called

   a) A Modem

   b) Transmission media

   c) Switching system

   d) OSI model

9) Converting a digital signal received in to an analog signal is called

   a) Modulation

   b) Demodulation

   c) Insulation

   d) Annotation

10) The types of 'switching system' are

   a) circuit switching

   b) message switching

   c) packet switching

   d) all the above

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

   1) What is 'a gateway' ?

   2) Define 'Library Automation'.

   3) What is full form of 'slim' ?

   4) Who developed 'SOUL' ?

   5) Which network component connect computers over a telephone line ?

   6) How many layers are there in OSI model ?

   7) How many modules, SOUL 2.0 consists of ?

   8) Which type of hub does not require electrical power to run ?

   9) What is full form of 'UTP' ?

   10) 'Libsuite' is developed by DESIDOC. State whether it is true or false.

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

a) Disadvantages of SOUL

b) Automated circulation

c) Characteristics of fibre optic cable

d) Modem

e) ISDN

f) Advantages of routers.

3. Define 'Library Automation'. Explain its need and advantages. Discuss the functions of automated serial control system.

OR

Write an essay on 'SOUL' explaining its modules and main features.

4. Define 'communication technology'. Explain the role of communication technology in various library activities and information services.

OR

What is LAN ? Explain the components, features and advantages of LAN.

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