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Seat No.

Total No. of Pages : 4

M.Lib (Semester - I) Examination, 2013

LIBRARY AND INFORMATION SCIENCE (Paper - IV)

Information Technology Applications

Sub. Code : 47754

Day and Date : Wednesday, 08 - 05 - 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 (Tick mark ✓ the correct answers) [20]

i) The capacity of a data transmission medium is measured in bits per second. The name for this capacity is ———.

A) Bandwidth B) Data Flow

C) Bit capacity D) Electronic Transfer rate

ii) The most common Internet activity for communication purpose is ———.

A) e-learning B) e-commerce

C) e-business D) e-mail

iii) The process of sending or receiving the messages is known as —.

A) conversation B) discussion

C) communication D) contemptation

iv) SOUL stands for ———.

A) Software for Universal Libraries

B) Software for Universal Level

C) Software for University Libraries

D) System of Universal Location

v) In how many layers, OSI divides the communication process?

A) 5 B) 8

C) 9 D) 7

vi) In radio telegraph, radio waves are travelled through ———.

A) air B) light

C) water D) space

vii) What are various medias which are used for wired communication?

A) Twisted pair B) Co-axial cable

C) Optical fiber D) All of the above

viii) Which area of library operation can not be automated?

A) Book selection B) Circulation

C) Serial control D) Catalogying

ix) 'Libsuite' is ———.

A) Library software B) an operating system

C) hardware D) databse

x) A private network within an organisation is called as _____.

A) Intranet
B) Internet
C) Extranet
D) INFLIBNET

b) Answer the following questions in one or two sentences.

i) What is the name of topology where a network configuration in which each computer/device is connected to a control unit?

ii) What is the full form of ISDN?

iii) What is mean by LAN?

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

v) Who first designed OSI model for communication?

vi) What is 'gateway'?

vii) 'Libsys'integrated management software package is used for?

viii) 'network interface card is a network component' state whether it is true or false.

ix) what is OPAC ?

x) name the protcol used for internet access

Q2) Write short notes (any four): **[20]**

a) SOUL

b) criteria for Library Automation.

c) Types of Transmission Media

d) Modern modes of communication.

e) ISDN

f) OSI Model

Q3) What is mean by Library Automation? Discuss in detail automation of circulation and serial control modules. [20]

OR

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

Q4) What is network? Discuss in detail various components of network. [20]

OR

Write a detailed note on 'New-GenLib' open source software.

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