

MASTER OF LIBRARY & INFORMATION SCIENCE
FOURTH SEMESTER
LIBRARY AUTOMATION & NETWORKING
MLS-402

Duration: 3 Hrs.

Marks: 70

{ Part : A (Objective) = 20 }
{ Part : B (Descriptive) = 50 }

[PART-B : Descriptive]

Duration: 2 Hrs. 40 Mins.

Marks: 50

[Answer question no. One (1) & any four (4) from the rest]

1. What is Library automation? Explain the need and advantage of library automation. Enumerate the probable area of library automation. (2+3+5=10)
2. What is feasibility study? What are the feasibility studies of component of library automation? Explain the selection criterion of feasibility study. (2+3+5=10)
3. Define transmission system. What are the different types of transmission media? How transmission media helpful in Library and information science? (2+3+5=10)
4. What is Library Networking? How many types of Networking available in Library? Explain the recent activates of networking in India. (2+3+5=10)
5. What is Data Mining? How to create the database of library automation? (2+8=10)
6. What do you mean by digital library? Explain the role of digital library regarding in education and research. (2+8=10)
7. Define Open access. Explain the brief history of open access with examples. (2+5+3=10)
8. Short note: (5+5=10)
A) INFLIBNET B) DELNET C) OCLC D) JANET

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[PART-A : Objective]

Choose the correct answer from the following:

1X20=20

1. DBMS stands for
 - a. Data Based Mechanical System
 - b. Data Based Management System
 - c. Director Board of Mechanical System
 - d. Data Based Machine System
2. Which one of the following is the lowest unit of information?
 - a. Bit
 - b. Megabit
 - c. Binary
 - d. Byte
3. Which type of switching system is of telephone network?
 - a. Message Switching
 - b. Circuit Switching
 - c. Packet Switching
 - d. Source Switching
4. When two or more computers are directly linked within a small area such as room, office or campus, it is called
 - a. Local Area Network
 - b. Metropolitan Area Network
 - c. Wide Area Network
 - d. International Network
5. Who announced the term hypertext?
 - a. E Garfield
 - b. Raj Reddy
 - c. Ted Nelson
 - d. Bill Gates
6. In which topology of network, bus network structure is useful?
 - a. LAN
 - b. MAN
 - c. WAN
 - d. IN

7. Out of the following, which computer service is not provided through networking?
 - a. Videotex
 - b. Voice mail
 - c. E-mail
 - d. Reference Service
8. What are the kinds of Bandwidth?
 - a. Narrow, high and lower bands
 - b. Narrow, broad and high bands
 - c. High, lower and medium bands
 - d. Narrow, voice and broad bands
9. What is system software?
 - a. Set of programmes
 - b. Set of written programmes
 - c. Programmes
 - d. None of Above
10. RAM is the abbreviation of
 - a. Random Access Memory
 - b. Read and Memory
 - c. Reading Material
 - d. None of the above
11. In which five year plan the INFLIBNET was established?
 - a. Fourth five year plan
 - b. Fifth five year plan
 - c. Sixth five year plan
 - d. Seventh five year plan
12. What is the full form of ERNET?
 - a. Engineering network
 - b. Eastern Regional Network
 - c. Electronic Research Network
 - d. Education and Research Network
13. INFLIBNET headquarters is located at
 - a. Ahmedabad
 - b. New Delhi
 - c. Bangalore
 - d. Chennai
14. What is full text e-Resource?
 - a. JCCC
 - b. ISID
 - c. Science finder scholar
 - d. ACS

15. Match the following :

List-I

(Forms of Communication)

- 1. Physical carrier
- 2. Formal channel
- 3. Barrier
- 4. Informal

List-II (Terms)

- (A) Invisible College
- (B) Noise
- (C) Medium
- (D) Document

Code : (a) (b) (c) (d)

- a. 1 2 3 4
- b. 2 1 3 4
- c. 4 3 2 1
- d. 4 3 1 2

16. The term hypertext was coined by whom?

- a. Ted Nelson
- b. Vannevan Bush
- c. John Brown
- d. J. C. Kith

17. In how many ways switching system can be established?

- a. Two
- b. Three
- c. Five
- d. Seven

18. NICNET and INDONET are the networks of which category?

- a. LAN
- b. MAN
- c. WAN
- d. IN

19. ISO-9960 is related with?

- a. Standard for encoding data on CD-ROM
- b. Standard for Computer Hardware
- c. Standard for Information Processing
- d. Standard for Networking

20. What is a bug?

- a. Computer Virus
- b. Error in Computer Configuration
- c. Error in a Programme
- d. None of these

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UNIVERSITY OF SCIENCE & TECHNOLOGY, MEGHALAYA



Question Paper CUM Answer Sheet

[PART (A) : OBJECTIVE]

Serial no. of the main
Answer sheet

Course :

Semester : Roll No :

Enrollment No : Course code :

Course Title :

Session : 2016-17 Date :

Instructions / Guidelines

- The paper contains twenty (20) / ten (10) questions.
- The student shall write the answer in the box where it is provided.
- The student shall not overwrite / erase any answer and no mark shall be given for such act.
- Hand over the question paper cum answer sheet (Objective) within the allotted time (20 minutes / 10 minutes) to the invigilator.

Full Marks	Marks Obtained	Remarks
20		

Scrutinizer's Signature

Examiner's Signature

Invigilator's Signature