

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

Duration : 3 hrs.

Full Marks: 70

Time : 20 min.

(PART-A: Objective)

Marks : 20

Choose the correct answer from the following:

1X20=20

- The word 'Automation' has been derived from
 - Greek Word
 - Latin Word
 - Sanskrit Word
 - German Word
- Hayes and Becker (1970) have identified
 - Scope of Library Automation
 - Advantages of Library Automation
 - The area of library Automation
 - Stages of Library Automation
- Which of the following is not a networking Device
 - Modem
 - LAN
 - Cable
 - Keyboard
- Which transmission media has the highest transmission speed in a network?
 - coaxial cable
 - Twisted pair cable
 - optical fiber
 - electrical cable
- The method of communication in which transaction takes place in both directions, but only in one direction at a time, is called?
 - Simplex
 - Half Duplex
 - Full Duplex
 - Four Wire Circuit
- Which of the following is considered a broadband communication channel?
 - coaxial cable
 - fiber optics cable
 - microwave circuits
 - all of above
- The copper wire is the example of
 - Guided Media
 - Unguided Media
 - Group Media
 - None of the above
- Library Networking aims at
 - to achieve sharing of resources to provide better service to customers
 - To have sole control over the licensed materials
 - To share human resources only
 - To have an agreement with libraries within a geographic area only

9. National portal www.india.gov.in is maintained by
- INFLIBNET
 - ERNET
 - NIC
 - None of the above
10. A data warehouse is constructed by
- integrating data from multiple heterogeneous sources
 - analytical reporting,
 - structured and/or ad hoc queries, and decision making
 - All of the above
11. Data mining is the analysis step of the
- "knowledge discovery in databases"
 - "data discovery in databases"
 - Both A & B
 - Only A
12. Metadata includes
- metatags
 - file extension
 - seismic data
 - All of the above
13. Dublin Core Metadata Standard is a small set of vocabulary terms that can be used to describe
- Digital resources
 - Physical resources such as books or CDs,
 - Objects like artworks.
 - All of the above
14. Digital Library Software include
- DSpace
 - Greenstone
 - NewGenLib
 - All of the above
15. Open access (OA) is a set of principles and a range of practices through which Research outputs are
- Distributed online
 - Free of cost or other access barriers
 - Only B is True
 - Both A & B True
16. DOAJ is
- Is a community-curated online directory
 - Indexes and provides access to high quality, open access, peer-reviewed journals
 - Only A is True
 - Both A & B True
17. Journal impact factor measures the average number of citations of articles in a journal over a window
- Two year
 - Three year
 - One year
 - None of the above

18. OAI Stands for
- a. Open Archive Initiatives
 - b. Open Access Initiatives
 - c. Online Access Initiatives
 - d. Online Archive Initiatives
19. Which is the world's largest digital library?
- a. National Digital Library of India
 - b. World Digital Library
 - c. Universal Digital Library
 - d. None of the above
20. N-LIST (Consortium)stands for
- a. National List of Scholarly Content
 - b. National Library and Information services Infrastructure for Scholarly Content
 - c. National Information services Infrastructure for Scholarly Content
 - d. None

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(PART-B : Descriptive)

Time: 2 HRS 40 MINS

Marks : 50

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

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| 1. Define Automation. Explain the needs and basic Requirements for Library automation. | 2+3+5=10 |
| 2. What is library network? Discuss the need and advantages of Library networking. | 3+7=10 |
| 3. What is Open Access Initiative? Write different types of open access? Explain. | 3+7=10 |
| 4. Define the objectives of Library automation? Discuss the advantages and disadvantages of Library automation. | 4+6=10 |
| 5. What is data transmission? Explain Different modes and types of Data transmission with suitable examples. | 2+4+4=10 |
| 6. What are the wireless transmission media involved in the process of communication. Discuss the advantages and disadvantages of wireless transmission media. | 5+5=10 |
| 7. What is Metadata? What are the major types of Metadata? Elaborate the elements of Dublin core metadata standard. | 2+2+6=10 |
| 8. Write short note on any two from the following: | 5+5=10 |
| A. ISO-2709 | |
| B. Data Mining | |
| C. Library Consortia | |
| D. Library Networking | |

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