

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

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

(Objective)

Marks: 20

Choose the correct answer from the following:

1 × 20 = 20

- Which is not a step of Library Automation?
 - Planning
 - Organizing
 - Operational
 - None of the above
- Store and Forward Techniques of communication is commonly known as
 - Message Switching
 - Packet Switching
 - Circuit switching
 - None
- The guided media is also called _____ transmission media.
 - Bounded
 - Unbounded
 - Wireless
 - All the above
- Communication technology refers to all the tools used to _____ Information.
 - Send
 - Receive
 - Process
 - All the above
- In _____ the first trend of library automation was developed in US, using computers for creating bibliographic databases as library catalogues.
 - 1960
 - 1970
 - 1980
 - 1990
- The Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities was published on 22 October _____ in English.
 - 2001
 - 2002
 - 2003
 - 2004
- Which switching technique is commonly used in traditional telephone networks?
 - Circuit switching
 - Packet switching
 - Message switching
 - Frame switching
- What is Open Access publishing?
 - Publishing research in closed, subscription-based journals
 - Making research findings freely available to the public online
 - Restricting access to research findings for commercial gain
 - Allowing only select individuals to access academic articles

9. What is the purpose of the Creative Commons licenses often used in Open Access publishing?
- To restrict the use and distribution of research articles
 - To allow commercial use of research articles without attribution
 - To provide legal tools for authors to grant permissions for reuse
 - To limit the availability of research articles to specific countries
10. What is the "green" route to Open Access publishing?
- Making research articles freely available on publishers' websites
 - Requiring payment for accessing research articles
 - Limiting access to research articles to specific institutions
 - Article made available somewhere other than publisher's website, e.g. repository, or author's homepage
11. Which technology is commonly used to store digital library resources?
- VHS tapes
 - CD ROMS
 - Magnetic tape
 - Servers and databases
12. Which organization developed the Dublin Core metadata standard?
- W3C
 - IFLA
 - DCMI
 - Library of Congress
13. Which communication media is primarily text-based and allows for asynchronous communication?
- Social Media
 - Radio
 - Television
 - E Mail
14. Which communication media allows for real-time, synchronous communication?
- Video Conferencing
 - Podcasts
 - Vlogs
 - Emails
15. What is a library network?
- A system for sharing books among different libraries
 - A network of bookstores
 - A network of librarians
 - A group of libraries connected through a telecommunication network
16. What is an Integrated Library System (ILS)?
- A system that integrates different library branches
 - A system that combines books from multiple libraries
 - A system that automates various library functions in a single software
 - A system that allows library users to integrate their personal collection
17. What is the purpose of a barcode in library automation?
- To track the location of library users
 - To provide access to online databases
 - To scan and identify library materials/Users
 - To create a physical inventory of books

18. What is the purpose of library standards?
- a. To ensure consistent and quality library services
 - b. To establish a universal library classification system
 - c. To regulate library funding and budgets
 - d. To promote the use of digital technologies in libraries
19. Which standard governs the exchange of bibliographic information?
- a. MARC21
 - b. Library of Congress Subject Headings
 - c. Resource Description and Access
 - d. Dublin Core
20. The current maintenance agency for MARC 21 is _____
- a. IFLA
 - b. American Library Association
 - c. Library of Congress
 - d. British Library

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(Descriptive)

Time : 2 Hr. 30 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. | 3+7=10 |
| 2. What is Communication Technology? What are the devices used in transmitting data from source to its destination? Explain. | 3+7=10 |
| 3. What is switching technique? Discuss various types of switching techniques used in data transmission with suitable examples. | 2+8=10 |
| 4. Explain the concept of library consortia. Discuss the need and scope of library consortium in present day context. | 3+3+4=10 |
| 5. Define Library Network. Explain the Main goal, objectives and services of INFLIBNET Centre. | 2+8=10 |
| 6. What is Open Access? How does Open Access benefit various interest groups and write some advantages of Open Access publishing? | 3+7=10 |
| 7. How would you define a digital library and what are its key characteristics? Explain the distinctions between virtual libraries and digital libraries. | 7+3=10 |
| 8. Write Short Notes on:
a) Teletext
b) Wireless Transmission Media | 5+5=10 |

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