Advt. No. IITH/2023/NF/15

Question Paper ID: **009**

Application Number of the Candidate

Name of the Post: **Library Information Assistant**   Pay Level: **06**
Date & Time of the Exam: **07.12.2023 (9.30 – 11.00 am)**   Duration: **01 hr. 30 min**

This question paper comprises of two parts, Part A and Part B.
- Part A: Multiple Choice Questions. 40 questions x 2 Marks each = 80 Marks
- Part B: Short Answer Questions. 5 questions x 4 Marks each = 20 Marks
- Total Marks = 100

Answers to Part A should be marked in the OMR sheets provided.
Answers to Part B should be written on separate answer sheets that have been provided.
Eligibility Criteria
Minimum 50% of Marks in each Part is mandatory for further consideration.

Instructions to fill the responses in the OMR answer sheet
1. Candidate must write his/her **application number** in the designated box on the top of OMR answer sheet
2. Candidate must write the Question paper ID in the designated box on the top of OMR answer sheet
3. Candidate must sign in the box provided in the OMR answer sheet
4. Each answer sheet must be signed by the invigilator in the space printed in the OMR answer sheet
5. Only one response to be selected & marked. In case more than one response is marked for a single question or no response is marked for a question, no marks will be awarded for that question.
6. Partially filled circles shall not be considered as responses
7. Erasing or changing of answer is not allowed.
8. No negative marking
9. Candidate must use Blue/Black ball point pen to fill his/her responses
10. Rough work should not be done on the OMR answer sheet.
11. Candidate can use the designated page(s) of the question booklet for the purpose of rough work

1. What is the primary purpose of the "Check Card" in the Three Card System? [   ]
   A. To record financial transactions
   B. To monitor the receipt of overdue issues
   C. To display classified index information
   D. To provide details about supplementary materials

2. Which of the following is NOT a fundamental category in Ranganathan's Colon Classification?
   A. Personality
   B. Matter
   C. Energy
   D. Depth

3. Who maintains the Dewey Decimal Classification (DDC) system and offers online access to WebDewey?
   A. American Library Association (ALA)
   B. Library of Congress
   C. Online Computer Library Center (OCLC)
   D. ProQuest

4. Who is considered the father of modern encyclopaedias?
   A. Barbara Tillett
   B. Brian Campbell Vickery
   C. Herbert S. White
   D. Denis Diderot

5. What does "isolate" refer to in Ranganathan's Colon Classification?
   A. A primary class in the classification system.
   B. A fundamental category in the classification formula.
   C. A term that modifies a basic subject in a class number.
   D. A specialised classification system.

6. Who coined the term "library science" within his work from 1808 to 1828?
   A. Melvil Dewey
   B. S. R. Ranganathan
   C. Martin Schrettinger
   D. Lee Pierce Butler

7. Which Web 2.0 component allows users to receive automatic updates from websites or online platforms?
   A. Instant Messaging
   B. RSS Feeds
   C. Podcasts
   D. Vodcasts

8. Which open-source discovery system does ByWater Solutions support?
   A. Aspen Discovery
   B. CORAL
   C. Presto
   D. Voyager

9. What was the first form of document in human history?
   A. Papyrus scroll
   B. Cuneiform tablet
   C. Paper manuscript
   D. Digital file

10. What indexing system allows the indexer to assign terms to describe the content before the document is published?
    A. Pre-coordinate
    B. Post-coordinate
    C. Derived-Title-based
    D. Vocabulary Control

11. Which feature is crucial for user satisfaction in an Information Retrieval System?
    A. Complex algorithms
    B. High hardware specifications
    C. Relevance of retrieved information
    D. Colorful user interface

12. In the context of Big Data, which is not a characteristic of the three Vs?
    A. Volume
    B. Velocity
    C. Validity
    D. Variety

13. Which is not a method of Data Harvesting?
    A. Web Scraping
    B. SQL Injection
    C. APIs
    D. Screen Scraping

14. Which technology is not related to the Semantic Web?
    A. SPARQL
    B. XML
    C. Python
    D. OWL

15. Which technology is associated with the organisation and representation of ontologies?
    A. HTTP
    B. XML
    C. Z39.50
    D. JSON

16. Which quality management methodology emphasises achieving near-perfect results, focusing on reducing defects and variations?
    A. Total Quality Management (TQM)
    B. Six Sigma
    C. Lean Management
    D. Kaizen

17. What does CCF stand for in the context of bibliographic communication standards?
    A. Centralized Cataloguing Format
    B. Common Communication Format
    C. Cooperative Cataloguing Framework
    D. Cataloguing and Classification Format

18. Which protocol is used for metadata harvesting in institutional repositories?
    A. OAI-PHM
    B. TCP/IP
    C. OER
    D. DOAR

19. What is the main purpose of SHARPA-ROMIO?
    A. To enhance scholarly communication
    B. To increase institutional visibility
    C. To provide access to educational resources
    D. Aggregates and presents publisher and journal open-access policies

20. Find the odd one out?
    A. Alma
    B. Rosetta
    C. Samvera
    D. Summon

21. How many digits does the ISBN have?
    A. 13
    B. 8
    C. 9
    D. 11

22. What type of directory is the "Times of India Directory and Yearbook including Who's Who"?
    A. General
    B. Special
    C. Professional
    D. Trade

23. OAISTER is an example of digital libraries architecture based on:
    A. CORBA
    B. Software Agents Architecture
    C. Federated Database System
    D. Metadata Harvesting

24. BERN CONVENTION (1886) is concerned with:
    A. Translations
    B. Copyright
    C. Patents
    D. Standards

25. Which is not a Full text database?
    A. SCOPUS
    B. Engineering Village
    C. INSPEC
    D. Science Direct

26. Altmetrics is a:
    A. Book metrics
    B. Citation metrics
    C. Indexing System
    D. None of the Above

27. Entropy is a measure of:
    A. Degree of relevance of information
    B. Quantity of irrelevant information
    C. Degree of uncertainty in information
    D. Degree of certainty in information

28. The first order of division of classes in DDC is based on:
    A. Jewett's system of classification
    B. System of Paris Book Sellers
    C. The Fixed Location System
    D. Francis Bacon's three fountains of learning

29. Data about Data is known as:
    A. Microdata
    B. Metadata
    C. Database
    D. Databank

30. The concept of 'Librametry' was developed by:
    A. S. R. Ranganathan
    B. A. W. Gouldner
    C. M. Murphy
    D. G. R. Lyle

31. The National Library for the visually handicapped is located at
    A. Allahabad
    B. Indore
    C. Nainital
    D. Dehradun

32. SCOPUS is a:
    A. Full text database
    B. Abstract and citation database
    C. Numerical database
    D. None of the above

33. "Grey Literature" refers to:
    A. Computer peripherals
    B. Archival documents
    C. AV materials
    D. Unpublished literature

34. Scrutiny of financial transactions is called:
    A. Budgeting
    B. Programming
    C. Accounting
    D. Auditing

35. Drupal is a:
    A. Library Automation Software
    B. Digital Library Management Software
    C. Content Management Software
    D. Reference Management Software

36. 'Resource Description and Access' (RDA) is the next edition of:
    A. AA Code
    B. ALA Code
    C. British Museum Code
    D. AACR-II Code

37. What is EAS gate?
    A. Online portal for e-resources
    B. Cataloguing method in library
    C. RFID based Security gate in library
    D. Automated Circulation device

38. The latest stable version of DSpace is:
    A. 6.2
    B. 6.1
    C. 5.5
    D. 5.4

39. Which one of the following will be the DDC No. for '**Education**'?
    A. 350
    B. 360
    C. 370
    D. 380

40. The acronym for the Association for Information Management is:
    A. IAMA
    B. AIM
    C. ASLIB
    D. IIM

   PART B   **(5 x 4 = 20 Marks)**

1. When manually calculating an author's h-index, what is the formula? Provide one example.
2. What factors should you consider before implementing RFID technology in your library?
3. What topics would you include if you were tasked with planning a year-long user education program at the IIT Hyderabad library?
4. Expand the abbreviation LOCKSS. Explain its significance.
5. Differentiate between knowledge management and information management.