

A1

**VERSION
CODE**

ELIGIBILITY EXAMINATION-2025
PAPER-2
 Total Number of Questions : 100
 Maximum Marks : 200
 Subject : **LIBRARY & INFORMATION SCIENCE**
 Subject Code : 13

Serial
Number :

MENTION YOUR REGISTER NUMBER

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**Paper
Code**

LIB21125A

INSTRUCTIONS FOR CANDIDATES

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1. In case of usage of **signs and symbols** in the questions, the regular textbook connotation should be considered unless stated otherwise.
2. This question booklet contains **100** questions and each question will have one statement and four different options / responses & out of which you have to choose one correct answer.
3. **After 10.00 AM**, remove the paper seal of this question booklet and check that this booklet does not have any unprinted or torn or missing pages or items etc., if so, get it replaced by a complete test booklet within 5 minutes of the commencement of exam. Read each item and start answering on the OMR answer sheet.
4. Completely **darken / shade** the relevant circle with a **blue or black ink ballpoint pen** against the **question number on the OMR answer sheet**.

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⊗	②	③	④	①	②	③	④	①	●	●	④
①	●	③	④	①	●	③	④	①	②	③	④

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9. All questions carry equal marks.
10. **There will be no negative marking.**
11. Use of Mobile Phones, Calculators and other Electronic/Communication gadgets of any kind is prohibited inside the Examination venue.

DO NOT WRITE HERE

1. TEST is an example of
 - (1) Thesaurus
 - (2) Handbook
 - (3) Textbook
 - (4) Research Report
2. What type of collection is in India Office Library?
 - (1) All published and MSS
 - (2) MSS
 - (3) Book published in India
 - (4) None of these
3. In the field of communication, which technology was first invented?
 - (1) Telegram
 - (2) Telephone
 - (3) Telegraphy
 - (4) Telepathy
4. The term 'Library Society' was first used by
 - (1) Lancaster
 - (2) Ranganathan
 - (3) Bell
 - (4) J. Mill
5. Arrange the following types of communication in proper sequence:
 - i. Group
 - ii. Public
 - iii. Mass communication
 - iv. Intrapersonal
 - (1) iv, i, ii, iii
 - (2) iv, iii, ii, i
 - (3) i, ii, iii, iv
 - (4) ii, i, iii, iv
6. Which of the following statements correctly describe the roles in the information industry?
 - a. Generators produce information for dissemination by providers
 - b. Intermediaries facilitate access to information between providers and users
 - c. Providers generate all information and restrict access to users
 - d. Intermediaries create and district information without the involvement of generated
 - (1) b and d only
 - (2) b and c only
 - (3) a and b only
 - (4) a and c only
7. Which of the following are considered as the types of IPR?
 - a. Copyright
 - b. Patent
 - c. Market share
 - d. Trademark
 - (1) a, b and c
 - (2) b and d only
 - (3) a and d only
 - (4) a, b and d

8. Match the following and choose the correct answer:

List-I	List-II
a. Self-plagiarism	i. Using a combination of copied phrases from various sources without proper citation
b. Direct-plagiarism	ii. Reusing one's own previous work in a new context without Act
c. Mosaic-plagiarism	iii. Copying text verbatim from a source without quotation marks or citations
d. Accidental-plagiarism	iv. Failing to cite sources due to oversights or misunderstanding

Codes:

- | | |
|------------------------------------|------------------------------------|
| (1) a – ii, b – iii, c – i, d – iv | (2) a – iii, b – i, c – iv, d – ii |
| (3) a – iv, b – ii, c – iii, d – i | (4) a – i, b – iv, c – ii, d – iii |

9. Match the following and choose the correct answer:

List-I	List-II
a. RTI Act, 2005	i. A body established to oversee the implementation of the RTI Act.
b. Public Authority	ii. An organization or institution established under the Constitution or by law.
c. Information Commissions	iii. Specific categories of information that are not subject to disclosure.
d. Exemption under RTI	iv. Legislation that empowers citations to access information held by public authorities.

Codes:

- | | |
|------------------------------------|------------------------------------|
| (1) a – iv, b – ii, c – i, d – iii | (2) a – ii, b – i, c – iv, d – iii |
| (3) a – iii, b – iv, c – ii, d – i | (4) a – i, b – iii, c – ii, d – iv |

10. Arrange the following recommendations of NKC in the order in which these were sequentially recommended.

- Revamp LIS education
- Reassess staffing of libraries
- Set up a national mission on libraries
- Prepare a national census of libraries

- | | |
|----------------|----------------|
| (1) a, b, c, d | (2) c, d, a, b |
| (3) d, c, b, a | (4) b, d, a, c |

11. Which of the following law of Library Science stands for the maximum use of books by their readers?

- | | |
|---------------|----------------|
| (1) First law | (2) Second law |
| (3) Third law | (4) Fourth law |

12. User study is defined as
- (1) A study of understanding mainly the personal demands and needs of the user of library
 - (2) A systematic study of users and their information needs in special library system only
 - (3) The means for systematic examination of the characteristics and behaviour of the users of the system and services
 - (4) A systematic study of retrospective needs of users of the systems and services
13. Carefully examine the following statements and choose the correct answer.
- Assertion (A): All the states in India have enacted library legislation.
- Reason (R): NKC recommends for the enactment of library legislation in all the states
- Codes:
- (1) (A) is true, but (R) is false
 - (2) (A) is false, but (R) is true
 - (3) Both (A) and (R) are true
 - (4) Both (A) and (R) are false
14. JOCLAI was formed during
- (1) IFLA Seminar
 - (2) IASLIC Seminar
 - (3) UNESCO Conference
 - (4) IATLIS Conference
15. 'InfoLit Global' is an international information literacy initiative of _____
- (1) ACRL
 - (2) IFLA
 - (3) International Alliance for Information Literacy
 - (4) RRRLF
16. Arrange the following Associations as per their establishment year:
- a. ALA
 - b. LA
 - c. IFLA
 - d. SLA
- (1) a, b, d, c
 - (2) c, a, d, b
 - (3) c, d, b, a
 - (4) d, a, b, c
17. National Library (Kolkata) receives books on deposit under
- (1) Registration of Books Act, 1867
 - (2) The Delivery of Books and Newspapers (Public Libraries) Act, 1954
 - (3) The Copyright Act, 1985
 - (4) Right to Information Act, 2003

18. Arrange the following Presidents of ILA based on their assuming charge as President

- a. P. N. Kaula
- b. P. S. G. Kumar
- c. C. P. Vashishtha
- d. C. R. Karisiddappa

- (1) b, c, d, a
- (2) c, b, a, d
- (3) a, d, c, b
- (4) d, c, b, a

19. Carefully examine the following statements and choose the correct answer.

Assertion (A): Librarianship by its very nature implies social and ethical considerations.

Reason (R): Librarianship existing for the betterment of human beings should endorse social and ethical obligations

Codes:

- (1) Both (A) and (R) are false
- (2) Both (A) and (R) are true
- (3) (A) is true but (R) is false
- (4) (A) is false but (R) is true

20. Match the following and choose the correct answer:

List-I

List-II

- | | |
|--|-----------|
| a. Andhra Pradesh Public Libraries Act | i. 1993 |
| b. Mizoram Public Libraries Act | ii. 1967 |
| c. Maharashtra Public Libraries Act | iii. 1988 |
| d. Manipur Public Libraries Act | iv. 1960 |

Codes:

- (1) a – iv, b – i, c – ii, d – iii
- (2) a – i, b – iii, c – iv, d – ii
- (3) a – iii, b – i, c – ii, d – iv
- (4) a – iv, b – ii, c – iii, d – i

21. Which of the following is an example of a secondary source of information?

- (1) A Lab notebook of an original experiment
- (2) A Journal article
- (3) A Bibliography
- (4) A Patent

22. The "Facts on File" is a weekly digest comprising of

- (1) Asian Events
- (2) Arab Events
- (3) European Events
- (4) World Events

23. Which of the following are considered as electronic information resources that support subject-based access and community engagement?
- Subject gateways
 - Web-portals
 - Abstracting journals (Printed)
 - Discussion forums
- a and b only
 - b and c only
 - a, b and d only
 - b, c and d only
24. Which of the following correctly correspond with their respective categories of information sources?
- Indian Journal of Medical Research – Primary Source
 - Encyclopedia Britannica – Secondary Source
 - Chemical Abstract – Tertiary Source
 - Bibliography of Bibliographies – Tertiary Source
- a, b and d only
 - a, b and c only
 - b, c and d only
 - a, c and d only
25. Electronic information service is one that is
- Generated on the basis of digital information resources
 - Received by the user in digital format
 - When downloaded printouts are delivered to the users by the library
 - Available in the 'form of access' through internet
- a, b and c only
 - b, c and d only
 - a, b and d only
 - c, d and a only
26. Which of the following are the components of a Digest?
- Title
 - Author
 - Abstract
 - Citation
- b, c and d only
 - a, b and c only
 - a, c and d only
 - a, b and d only

27. Arrange the following sequence of geographical reference sources in correct order of their first publication.

- a. The Statesman's Year Book and World Gazetteer
- b. The Imperial Gazetteer of India
- c. Chamber's World Gazetteer
- d. Merriam-Webster's Geographical Dictionary

- (1) c, d, a, b
- (2) a, b, d, c
- (3) d, b, a, c
- (4) a, c, b, d

28. Arrange the following Encyclopedias in correct order by the year of their first publication in the reverse chronological order.

- a. Encyclopedia of Library and Information Science
- b. Encyclopedia Britannica
- c. Encyclopedia Americana
- d. McGraw-Hill Encyclopedia of Science and Technology

- (1) a, d, c, b
- (2) d, a, b, c
- (3) a, b, d, c
- (4) a, c, d, b

29. Match the following information sources with their most appropriate description.

List-I

(Database)

- a. Shodhganga
- b. AGRIS
- c. JSTOR
- d. NPTEL video lectures

List-II

(Description)

- i. Bibliographic database
- ii. Full-text academic archive
- iii. Multimedia Educational resources
- iv. Full-text of Indian Thesis

Codes:

- (1) a – iv, b – i, c – ii, d – iii
- (2) a – ii, b – iii, c – iv, d – i
- (3) a – i, b – iv, c – ii, d – iii
- (4) a – iv, b – ii, c – iii, d – i

30. Match the types of documents with their examples:

List-I

(Documents)

- a. Conventional
- b. Neo-conventional
- c. Non-conventional
- d. Meta-documents

List-II

(Examples)

- i. Patents
- ii. Printed books
- iii. Satellite imageries
- iv. Audio-visual materials

Codes:

- (1) a – iv, b – iii, c – ii, d – i
- (2) a – i, b – iv, c – ii, d – iii
- (3) a – iii, b – ii, c – i, d – iv
- (4) a – ii, b – i, c – iv, d – iii

- ## A1

37. What types of content can web-scale discovery services typically index?

- a. Print books
- b. Digital archives
- c. Web pages
- d. Use-Bennard Connat

- (1) a and b only
- (2) b and d only
- (3) b and c only
- (4) a and c only

38. Match the following National Information Networks statements and choose the correct answer.

List-I

- a. National Digital Library
- b. Health information N/T
- c. National Research and Education N/T
- d. e-Governmental Portal

List-II

- i. Facilitates the sharing of healthcare data and services
- ii. Provides access to educational resources and materials online
- iii. Enhances collaboration with educational institutions
- iv. Offers citizens online access to Government services and information

Codes:

- (1) a – ii, b – i, c – iii, d – iv
- (2) a – ii, b – i, c – iv, d – iii
- (3) a – iii, b – ii, c – iv, d – i
- (4) a – iv, b – i, c – iii, d – ii

39. Match the following [INIS] and choose the correct answer:

List-I

- a. INIS Database
- b. INIS N/T
- c. INIS Training programs
- d. INIS Publications

List-II

- i. Provides access to nuclear-related literature and resources
- ii. Facilitates collaboration and communication among members
- iii. Offers educational resources and workshops for professionals
- iv. Publishes reports and newsletters on nuclear information trends

Codes:

- (1) a – ii, b – i, c – iv, d – iii
- (2) a – iii, b – i, c – iv, d – ii
- (3) a – i, b – ii, c – iii, d – iv
- (4) a – iv, b – iii, c – i, d – ii

40. Arrange the following consortia from the year in which they were set up in ascending order

- a. N-LIST
- b. UGC-Infonet Digital Library Consortia
- c. National Knowledge Resource Consortium
- d. INDEST-AICTE Consortium

- (1) a, d, b, c
- (2) c, d, b, a
- (3) a, c, d, b
- (4) d, b, c, a

41. Cow-calf principle is related with

- (1) Organising various facets in a compound subject
- (2) Organising facets within a round
- (3) Organising facets in the last round
- (4) Organising facets in different rounds

42. Match the bibliographic exchange format with its developer.

List-I

- a. CCF
- b. UNIMARC
- c. MARC 21
- d. Reference Manual

List-II

- i. IFLA
- ii. UNISIST
- iii. UNESCO
- iv. Library of Congress

Codes:

- (1) a – iii, b – i, c – iv, d – ii
- (2) a – iii, b – i, c – ii, d – iv
- (3) a – iv, b – iii, c – i, d – ii
- (4) a – iv, b – i, c – ii, d – iii

43. Among the following, which are true of DDC?

- i. Latest available edition is Ed.24
- ii. First edition contained 42 pages only
- iii. DDC 6th edition was the base for UDC
- iv. It is based on N.T. Harris classification for St. Louis public library

- (1) i and ii only
- (2) ii and iii only
- (3) iii and iv only
- (4) ii and iv only

44. Cranfield study began in the year

- (1) 1952
- (2) 1957
- (3) 1960
- (4) 1972

45. Which of the following statements hold good with pre-natal cataloguing?
- It is an example of cooperative cataloguing
 - Propounded by Anthony Panizzi
 - Recommends inclusion of a catalogue entry and a class number in each book on publication
 - There will be a saving of 79% in the technical manpower of a country
- (1) i and ii only (2) ii and iii only
(3) iii and iv only (4) i and iii only
46. Arrange the following types of abstracts based on complexity of summary
- Annotated abstracts
 - Indicative abstracts
 - Critical abstracts
 - Slanted abstracts
- (1) a, b, d, c (2) b, a, c, d
(3) a, b, c, d (4) d, a, b, c
47. What is the mode of formation of the subject 'Biochemistry'?
- (1) Loose Assemblage (2) Distillation
(3) Fission (4) Fusion
48. Z39.50 was originally approved by the NISO in the year
- (1) 1988 (2) 1992
(3) 1995 (4) 2003
49. Information storage and Retrieval system deal with which of the following aspects?
- Information representation
 - Information overload
 - Information modification
 - Information access
- (1) ii and iv only (2) ii and iii only
(3) i and ii only (4) i and iv only
50. Carefully examine the following statements and choose the correct answer.
- Assertion (A): Subject expert abstractors are often the choice for professional abstracting journals.
- Reason (R): Author prepared abstracts are often biased than objective
- Codes:
- (A) is false, but (R) is the correct explanation of (A)
 - (A) is true and (R) is the correct explanation of (A)
 - (A) is false and (R) is not the correct explanation of (A)
 - (A) is true, but (R) is not the correct explanation of (A)

51. The description of relationship between work and time by using the charts is known as
- | | |
|--------------------------|----------------------|
| (1) Organisational chart | (2) Systems analysis |
| (3) Gnatt chart | (4) Holistic method |
52. Which one of the following evaluation technique is used in forecasting?
- | | |
|---------------------------|----------------------------|
| (1) Market Research | (2) Performance Evaluation |
| (3) Cost-benefit Analysis | (4) Delphi Technique |
53. Arrange the following actions in an order for the maintenance of documents in a library.
- | | |
|-------------------|-------------------|
| a. Repairing | b. Mending |
| c. Recasting | d. Reinforcing |
| e. Rebacking | |
| (1) a, b, c, d, e | (2) b, d, a, e, c |
| (3) d, c, a, e, b | (4) b, a, d, c, e |
54. Which of the following are 'TQM' tools?
- | | |
|---------------------|---------------------|
| a. Fishbone Diagram | b. Histogram |
| c. Pie Chart | d. Run Charts |
| (1) a and b only | (2) a, b and d only |
| (3) b, c and d only | (4) b and d only |
55. Which of the following functions of the university library are given by Wilson & Tauber?
- | | |
|------------------------------|---------------------|
| a. Conservation of knowledge | |
| b. Teaching | |
| c. Leisure study | |
| d. Publication | |
| e. Follow-up study | |
| (1) a, b and d only | (2) b, d and e only |
| (3) a, c and d only | (4) a, b and c only |
56. Arrange the following principles of management given by Henri Fayol in proper sequence.
- | | |
|---------------------|---------------------------------|
| a. Division of work | b. Unity of command |
| c. Discipline | d. Authority and responsibility |
| (1) a, c, d, b | (2) a, d, c, b |
| (3) b, c, d, a | (4) c, d, a, b |

57. Match the following thinkers with their respective theory:

List-I

- a. Max Weber
- b. Elton Mayo
- c. F. W. Taylor
- d. Henri Fayol

List-II

- i. Human Relations
- ii. Administrative Management
- iii. Theory of Bureaucracy
- iv. Scientific Management

Codes:

- (1) a-i, b-iii, c-ii, d-iv
- (2) a-ii, b-i, c-iv, d-iii
- (3) a-iii, b-i, c-iv, d-ii
- (4) a-iv, b-i, c-ii, d-iii

58. Match the following persons with their respective method:

List-I

- a. S. R. Ranganathan
- b. L. R. McColvin
- c. Peter Phyor
- d. Duport

List-II

- i. Zero-based budgeting
- ii. Critical path method
- iii. Three card system
- iv. Demand Theory

Codes:

- (1) a-iv, b-iii, c-i, d-ii
- (2) a-iii, b-iv, c-i, d-ii
- (3) a-i, b-ii, c-iii, d-iv
- (4) a-ii, b-iii, c-iv, d-i

59. Arrange the following approaches to management or schools of thought.

- a. Decision theory approach
- b. Human approach
- c. Mathematical approach
- d. Empirical approach

- (1) d, c, b, a
- (2) a, c, d, b
- (3) d, b, a, c
- (4) d, a, b, c

60. Marketing is about getting the right service to the right customer at the right price and at the right time. To do this, we must

- a. Ensure that we can deliver these services at the right time.
- b. Decide what services and products.
- c. Identify the needs of our present and future customers.
- d. Inform the customer that these services are available.

Arrange the above statements in sequential order:

- (1) b, c, d, a
- (2) c, b, a, d
- (3) a, b, c, d
- (4) a, c, d, b

61. What is the full form of ASCII?
- (1) American Standard Code for Information Interchange
 - (2) American System Code for Internet Information
 - (3) Automated System Code for Internal Interchange
 - (4) Advanced Systematic Code for Information Interchange
62. Which of the following is a visible light communication technology?
- (1) Wi-Fi
 - (2) Li-Fi
 - (3) Bluetooth
 - (4) Infrared
63. Which network topology uses a central hub to connect all nodes?
- (1) Bus
 - (2) Mesh
 - (3) Star
 - (4) Ring
64. Which of the following protocols is used for sending emails?
- (1) FTP
 - (2) SMTP
 - (3) HTP
 - (4) SHTTP
65. Which two are the types of system software?
- i. Device Drivers
 - ii. Operating Systems
 - iii. Word Processor
 - iv. Web Browsers
- (1) ii and iii only
 - (2) i and ii only
 - (3) iii and iv only
 - (4) i and iv only
66. Which two languages are considered as object-oriented programming languages?
- i. COBOL
 - ii. Assembly
 - iii. JAVA
 - iv. Python
- (1) i and iv only
 - (2) i and iii only
 - (3) iii and iv only
 - (4) ii and iii only
67. A PhD student is compiling a literature review on digital preservation standards. He/She needs to find summaries of existing research papers in the field. Which type of information sources should he/she search for comprehensive information?
- (1) Primary sources like journals
 - (2) Secondary sources like LISA
 - (3) Tertiary sources like Indian Science Directory
 - (4) Statistical Yearbook published by the Ministry of Education

68. Match the following and select the correct answer:

List-I

- a. Firewall
- b. Antivirus
- c. Cryptographic techniques
- d. Intrusion detection system

List-II

- i. Detects unauthorized access
- ii. Encrypts and secures data
- iii. Protects against malware
- iv. Blocks unauthorised network traffic

Codes:

(1) a-iv, b-ii, c-i, d-iii

(2) a-iv, b-i, c-ii, d-iii

(3) a-iv, b-iii, c-ii, d-i

(4) a-iii, b-iv, c-i, d-ii

69. Arrange the following milestones of Internet logically in an ascending order from the year in which they were introduced.

a. Facebook

b. Search engine-Yahoo!

c. Introduction of TCP/IP

d. Launch of commercial ISPs

(1) a, b, c, d

(2) d, c, b, a

(3) c, d, b, a

(4) b, c, a, d

70. Which of the following are associated with the session layer of OSI reference model?

a. Dialog control

b. Semantics of the information transmitted

c. Token management

d. Synchronization

Select the correct answer using the codes given below:

Codes:

(1) a, c and d only

(2) a, b and d only

(3) a, b and c only

(4) b and c only

71. Which of the following best describes a Content Management System (CMS)?

(1) It is a coding tool

(2) It is an antivirus tool

(3) It is a numerical database

(4) It is a content editing software

72. Which of the following statements about QR codes is NOT true?

(1) QR codes can store both numeric and alphanumeric data

(2) The error correction mechanism in QR codes can store up to 30% of code's data even if it is damaged.

(3) The maximum storage capacity of a QR code for numeric data is 7089 characters.

(4) QR codes are based on the data matrix barcode standards and cannot be read by standard barcode scanners.

73. Which of the following is NOT typically considered a core functional area of library automation?
- (1) Acquisition (2) Circulation
(3) Stack arrangement (4) Serial control
74. Arrange the following stages of building an IR in a logical sequence.
- a. Populating the repository with content
b. Planning and policy development
c. Software selection and installation
d. Defining the scope and purpose of IR
- (1) a, b, d, c (2) b, a, c, d
(3) b, d, c, a (4) d, b, c, a
75. For the title 'The Great Gatsby', what are the correct MARC 21 indicators for the 245 field?
- (1) Indicator 1 = 1, Indicator 2 = 0
(2) Indicator 1 = 0, Indicator 2 = 1
(3) Indicator 1 = 1, Indicator 2 = 4
(4) Indicator 1 = 0, Indicator 2 = 0
76. Which of the following semantic web technologies is specifically designed for publishing structured data on the web by linking data from different sources?
- (1) RDFS (2) OWL
(3) Linked Data (4) SKOS
77. Which of the following are recognised applications of cloud computing in library operations?
- a. Hosting library management systems remotely
b. Offsite data backup and disaster recovery
c. Inter library loan through courier
d. Providing access to digital resources via subscription platform
- (1) a and d only (2) a, b and d only
(3) a, c and d only (4) a, b and c only
78. Which cryptographic technique ensures that a message has not been altered and verifies the sender's identity?
- (1) Symmetric encryption (2) Hashing
(3) Digital signature (4) Key exchange

79. What information does SHEPRA/ RoMEO provide to authors?
- (1) Guidelines for hardware configuration for digital libraries
 - (2) Publishes copyright and self-archiving policies for open access publishing
 - (3) Digital preservation methods and tools
 - (4) ISBN assignment services for digital resources
80. Arrange the following steps involved in the assignment and use of a DOI in the correct sequence.
- a. Accessing the content using the DOI link
 - b. Registering the content with a DOI agency
 - c. Publishing the digital content online
 - d. Creating metadata and assigning a DOI
- (1) a, c, d, b
 - (2) c, d, b, a
 - (3) d, c, a, b
 - (4) c, d, a, b
81. Match the following scales with their description:
- | List-I | List-II |
|-------------|---|
| a. Nominal | i. Determination of equality |
| b. Ordinal | ii. Determination of equality of ratios |
| c. Interval | iii. Determination of more or less |
| d. Ratio | iv. Determination of equality of intervals or differences |
- Select the correct answer using the codes given below:
- Codes:
- (1) a-i, b-iii, c-ii, d-iv
 - (2) a-i, b-ii, c-iv, d-iii
 - (3) a-i, b-ii, c-iii, d-iv
 - (4) a-i, b-iii, c-iv, d-ii
82. The Delphi method is a structured communication technique for _____
- (1) Cluster analysis
 - (2) Forecasting the trends
 - (3) Content analysis
 - (4) Transaction log analysis
83. The reasons for errors in testing hypothesis are
- a. The study design selected is faulty
 - b. The sampling procedure adopted is faulty
 - c. The analysis is wrong
 - d. The conclusions are controversial
- (1) a, b and c only
 - (2) a, b and d only
 - (3) a, c and d only
 - (4) b, c and d only

84. What are the characteristics of observation?

- | | |
|---|---|
| a. Scientific observation is systematic | b. Scientific observation is flexible |
| c. Scientific observation is objective | d. Scientific observation is verifiable |
| (1) a, b and c only | (2) a, b and d only |
| (3) a, c and d only | (4) b, c and d only |

85. Which of the following statistical packages are commonly used for multivariate analysis and predictive modelling?

- | | |
|--------------------|--------------------|
| i. SAS | ii. Strata |
| iii. Photoshop | iv. AutoCAD |
| (1) i and iii only | (2) ii and iv only |
| (3) i and ii only | (4) i and iv only |

86. Arrange the following ethical/publication ethics standards based on their first publication:

- | | |
|----------------|-----------------------|
| a. UGC- CARE | b. ALA Code of ethics |
| c. COPE | d. WAME |
| (1) b, d, c, a | (2) a, c, d, b |
| (3) c, b, d, a | (4) d, c, a, b |

87. Examine the following statements and select the correct answer:

Assertion (A): The rise in digital libraries has reduced the importance of traditional cataloguing in library and Information Science research

Reason (R): Research in Library and Information Science has increasingly focused on the integration of technology, metadata standards and digital content management systems.

Codes:

- (1) Both (A) and (R) are true, and (R) is the correct explanation of (A)
- (2) (A) is true, but (R) is false
- (3) Both (A) and (R) are true, but (R) is not the correct explanation of (A)
- (4) (A) is false, but (R) is true

88. Examine the following statements and choose the correct answer:

Assertion (A): Ethical approval is not required when conducting research involving human participants.

Reason (R): Ethical approval ensures that the rights, dignity and safety of human participants are protected in research.

Codes:

- | | |
|-----------------------------------|-----------------------------------|
| (1) (A) is true, but (R) is false | (2) (A) is false, but (R) is true |
| (3) Both (A) and (R) are true | (4) Both (A) and (R) are false |

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89. BibExcel is designed to assist in the analysis of
- | | |
|------------------------|------------------|
| (1) Open data | (2) Numeric data |
| (3) Bibliographic data | (4) Sentiments |
90. The h-index is an index to quantify _____
- | |
|--|
| (1) An individual's scientific research output |
| (2) An institute's scientific research output |
| (3) A journal's impact |
| (4) An institute's impact |
91. Which of the following are true of UNISIST?
- A joint project of UNESCO and ICSU
 - UNISIST report (Feasibility) was submitted in the year 1972
 - World Data Referral Center was established in Paris
 - The scope of the UNISIST did not extend to social sciences and humanities.
- | | |
|--------------------|---------------------|
| (1) i and iii only | (2) ii and iv only |
| (3) i and ii only | (4) iii and iv only |
92. Which of the following statements correspond to corporate libraries?
- Corporate libraries are the product of 21st century
 - B. C. Vickery was a corporate librarian
 - Corporate library plays an important role in knowledge management
 - Corporate libraries do not believe in return on investment.
- | | |
|---------------------|--------------------|
| (1) ii and iii only | (2) i and iii only |
| (3) ii and iv only | (4) i and iv only |
93. Arrange the following logically in an ascending order from the year of their establishment.
- National Medical Library, India
 - Indian Council of Medical Research
 - All India Institute of Medical Sciences
 - HELLINET consortium
- | | |
|----------------|----------------|
| (1) b, a, c, d | (2) a, c, b, d |
| (3) b, d, c, a | (4) c, a, d, b |

94. Match the following State Library Acts with their year of enactment.

List-I	List-II
a. Odisha	i. 2006
b. Bihar	ii. 2009
c. Arunachal Pradesh	iii. 2001
d. Rajasthan	iv. 2008

Codes:

- | | |
|----------------------------|----------------------------|
| (1) a-ii, b-iii, c-iv, d-i | (2) a-iv, b-i, c-ii, d-iii |
| (3) a-iii, b-iv, c-ii, d-i | (4) a-i, b-iii, c-iv, d-ii |

95. Which of the following statements hold good with Thompson College of Civil Engineering?

- Now known as IIT Roorkee
- Founded in 1794
- Established by James Thompson
- When established, its name was Engineers Training College.

- | | |
|---------------------|---------------------|
| (1) ii and iii only | (2) i and ii only |
| (3) i and iii only | (4) iii and iv only |

★ Read the given passage and answer the questions given below (96-100)

National Digital Repository for the museums of India funded by Ministry of Culture, provides an all pervasive and integrated access to theme-based collections and artefacts irrespective of the physical and geographical locations of museums. The strengthening of the country's museums is thereby an important activity covered under the ambit of the Ministry of Culture. Some of the important museums of India like the National Museum, New Delhi, Indian Museum and Victoria Memorial Hall, Kolkata, Salar Jung Museum, Hyderabad, Allahabad Museum, Indira Gandhi Rashtriya Manav Sangrahalaya, Bhopal and the Three National Galleries of Modern Art at New Delhi, Mumbai and Bengaluru respectively function under the control of the Ministry of Culture in various capacities.

The portal introduces India's rich heritage through a diverse range of digital collections in terms of sculptures, paintings, manuscripts, weapons, coins and a numerous other categories of artefacts. Ten national museums are made accessible online from one portal. The digital collections created using Jatan: Virtual museum builder is integrated for giving public access through this portal.

A virtual museum helps in digital preservation and providing online access to heritage information resources for education, research and tourism. It can make the museum antiquities accessible online for the benefit of society. A virtual museum involves major activities such as metadata description, and linking of digital contents, providing online access to heritage information resources and access through mobile devices and kiosks. It is very effective for digitization of documents. The salient features of the portal include integration of 360 degree panorama, QR code generation, and data package export facility for DARSHAK mobile app.

96. IGRMS is located in _____.
 (1) Kolkata (2) Allahabad
 (3) Bhopal (4) New Delhi
97. National Galleries of Modern Art at New Delhi, Mumbai and Bengaluru are controlled by _____.
 (1) Ministry of Culture
 (2) Ministry of Electronics and Information Technology
 (3) Ministry of Education
 (4) Ministry of Human Resource Development
98. How many national museums are accessible through the portal of National Digital Repository for museums of India.
 (1) 3 (2) 10
 (3) 94 (4) 16
99. The software used for National Digital Repository for the museums of India is _____.
 (1) DARSHAK (2) JATAN
 (3) BUILDFIRE (4) STQRY
100. The mobile app used for data package export facility from National Digital Repository for museums in India is _____.
 (1) DARSHAK (2) JATAN
 (3) BUILDFIRE (4) STQRY

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