

Roll No.

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(Write Roll Number from left side exactly as in the Admit Card)

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Signature of Invigilator

Question Booklet Series

X

PAPER-II

Question Booklet No.

(Identical with OMR Answer Sheet Number)

Subject Code : 19

LIBRARY AND INFORMATION SCIENCE

Time : 2 Hours

Maximum Marks: 200

Instructions for the Candidates

1. Write your Roll Number in the space provided on the top of this page as well as on the OMR Sheet provided.
2. At the commencement of the examination, the question booklet will be given to you. In the first 5 minutes, you are requested to open the booklet and verify it:
 - (i) To have access to the Question Booklet, tear off the paper seal on the edge of this cover page.
 - (ii) Faulty booklet, if detected, should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Question Booklet will be replaced nor any extra time will be given.
 - (iii) Verify whether the Question Booklet No. is identical with OMR Answer Sheet No.; if not, the full set is to be replaced.
 - (iv) After this verification is over, the Question Booklet Series and Question Booklet Number should be entered on the OMR Sheet.
3. This paper consists of One hundred (100) multiple-choice type questions. All the questions are compulsory. Each question carries *two* marks.
4. Each Question has four alternative responses marked: **(A) (B) (C) (D)**. You have to darken the circle as indicated below on the correct response against each question.

Example: **(A) (B) (C) (D)**, where **(C)** is the correct response.
5. Your responses to the questions are to be indicated correctly in the OMR Sheet. If you mark your response at any place other than in the circle in the OMR Sheet, it will not be evaluated.
6. Rough work is to be done at the end of this booklet.
7. If you write your Name, Roll Number, Phone Number or put any mark on any part of the OMR Sheet, except in the space allotted for the relevant entries, which may disclose your identity, or use abusive language or employ any other unfair means, such as change of response by scratching or using white fluid, you will render yourself liable to disqualification.
8. Do not tamper or fold the OMR Sheet in any way. If you do so, your OMR Sheet will not be evaluated.
9. You have to return the Original OMR Sheet to the invigilator at the end of the examination compulsorily and must not carry it with you outside the Examination Hall. You are, however, allowed to carry question booklet and duplicate copy of OMR Sheet after completion of examination.
10. **Use only Black Ball point pen.**
11. **Use of any calculator, mobile phone, electronic devices/gadgets etc. is strictly prohibited.**
12. **There is no negative marks for incorrect answer.**

LIBRARY & INFORMATION SCIENCE

PAPER II

1. Which technique allows embedding of a visible or invisible copyright notices or other verification messages in digital documents?
 - (A) Digital Document Protecting
 - (B) Digital Watermarking
 - (C) Digital Clipboarding
 - (D) Digital Embargo

2. Identify the name of the Copyright Clearing Agency of India.
 - (A) Federation of Indian Publishers
 - (B) Indian Reprographic Rights Organisation
 - (C) National Library, Kolkata
 - (D) Authors Guild of India

3. Which of the following phrase in Indian Copyright Act, 1957 (last amended in 2012) is in use to indicate 'Certain acts not to be infringement of Copyright'?
 - (A) Fair use
 - (B) Fair application
 - (C) Fair handling
 - (D) Fair dealing

4. Who has proposed 7 traditional communication theories?
 - (A) David Berlo
 - (B) Robert T. Craig
 - (C) Claude E. Shannon
 - (D) George Gerbner

5. Which of the plagiarism software allows users to scan for plagiarism on the Moodle platforms?
 - (A) Copyleaks
 - (B) Copyscape
 - (C) Noplug
 - (D) Unicheck

6. Librachine refers to
 - (A) Mobile Library
 - (B) Reprographic System
 - (C) Charging System
 - (D) Virtual Reference System

7. Who identified eight central values of Librarianship?
 - (A) Michael Gorman
 - (B) Jesse H. Shera
 - (C) Charles Oppenheim
 - (D) Patrick Wilson

8. Who argued that the logistic growth of knowledge over a period of time is a result of a number of applications of intellectual innovations?
 - (A) Michael Mabe
 - (B) Derek J. de Solla Price
 - (C) Thomas Robert Malthus
 - (D) S. C. Bradford

9. Which section of the 'IT Act, 2000' describes the provision for "Compensation for failure to protect data"?
 - (A) Sec. 33
 - (B) Sec. 43A
 - (C) Sec. 52A
 - (D) Sec. 44

10. Arrange the following ancient libraries according to their year of establishment:
 - (i) The Library of Alexandria
 - (ii) The Villa of the Papyri
 - (iii) The Library of Ashurbanipal
 - (iv) The Library of Pergamum

Codes:

 - (A) (i), (ii), (iii), (iv)
 - (B) (ii), (iii), (i), (iv)
 - (C) (iii), (i), (iv), (ii)
 - (D) (iv), (i), (ii), (iii)

11. Match the following:

List-I

List-II

- | | |
|----------------------|----------------------------------|
| (a) Bibliopsychology | (i) Louis Jacob de Saint Charles |
| (b) Bibliography | (ii) Samuel Crothers |
| (c) Bibliomania | (iii) Nicholas Rubakin |
| (d) Bibliotherapy | (iv) John Ferrier |

Codes:

- | | | | | |
|-----|-------|------|-------|-------|
| | (a) | (b) | (c) | (d) |
| (A) | (i) | (iv) | (ii) | (iii) |
| (B) | (iv) | (i) | (iii) | (ii) |
| (C) | (iii) | (i) | (iv) | (ii) |
| (D) | (ii) | (iv) | (iii) | (i) |

12. Which one of the following has recently published the advocacy toolkit of IFLA?

- (A) ALP
- (B) TAP
- (C) WLIC
- (D) WSIS

13. Information need which satisfies a special problem, diagnosed and immediate is known as

- (A) Potential need
- (B) Kinetic need
- (C) Pragmatic information need
- (D) Professional information need

14. Which one of the following was the first legal deposit library in the United Kingdom?

- (A) British Museum
- (B) Bodleian Library, Oxford
- (C) Cambridge University Library
- (D) Library of Trinity College, Dublin

15. Which state do not have a Public Library Act?

- (A) Madhya Pradesh
- (B) Kerala
- (C) Mizoram
- (D) Uttar Pradesh

16. Among the following which one is NOT identified as Core Competencies for 21st Century Librarians of Canadian Association of Research Libraries (CARL)?

- (A) Communication Skill
- (B) Interpersonal Skill
- (C) Information Literacy
- (D) Foundational Knowledge

17. What is Kindred Works?

- (A) A content-based recommendation system developed by OCLC.
- (B) An intuitive search interface developed by OCLC for WorldCat.
- (C) An automatic system of OCLC to support the assignment of classification numbers.
- (D) A system of OCLC to visualize the networks of entities associated with bibliographic records.

18. Which of the following national libraries are similar in purpose and scope?

- (i) Library of Congress
- (ii) National Library of Colombia
- (iii) National Library Board, Singapore
- (iv) National Diet Library

Codes:

- (A) (i) and (ii) are correct.
- (B) (i) and (iv) are correct.
- (C) (i), (ii) and (iii) are correct.
- (D) (ii), (iii) and (iv) are correct.

19. Which of the following libraries are autonomous bodies under the Ministry of Culture, Govt. of India?

- (i) Delhi Public Library, Delhi
- (ii) Khuda Baksh Oriental Public Library, Patna
- (iii) National Library, Kolkata
- (iv) Rampur Raza Library, Rampur

Codes:

- (A) (i) and (ii) are correct.
- (B) (i) and (iii) are correct.
- (C) (i), (ii) and (iii) are correct.
- (D) (i), (ii) and (iv) are correct.

20. Match the following:

<i>List-I</i>	<i>List-II</i>
(a) Arunachal Pradesh Act	(i) 2001
(b) The Bihar State Public Library and Information Centre Act	(ii) 2006
(c) Rajasthan Public Libraries Act	(iii) 2008
(d) Gujarat Public Libraries Act	(iv) 2009

Codes:

(a)	(b)	(c)	(d)
(A) (ii)	(iii)	(i)	(iv)
(B) (i)	(iv)	(iii)	(ii)
(C) (iii)	(ii)	(i)	(iv)
(D) (iv)	(i)	(ii)	(iii)

21. Match the following:

<i>List-I</i>	<i>List-II</i>
(a) OCLC	(i) Science Tracer Bullet Online
(b) Library of Congress	(ii) Kindred Works
(c) British Library	(iii) Co-Lab
(d) Library and Archives Canada	(iv) THOR: Technical and Human Infrastructure for Open Research

Codes:

(a)	(b)	(c)	(d)
(A) (ii)	(i)	(iv)	(iii)
(B) (iv)	(ii)	(i)	(iii)
(C) (iii)	(i)	(ii)	(iv)
(D) (i)	(iii)	(ii)	(iv)

22. 'National Register of Social Scientists in India' is an example of

- (A) Statistical Source
- (B) Almanac
- (C) Directory
- (D) Yearbook

23. The map that traces the details of geographical, soil, forest and other basic information is called

- (A) Political Map
- (B) Physical Map
- (C) Topographical Map
- (D) Historical Map

24. Match the following:

<i>List-I</i> (<i>Sherpa/ROMEO code</i>)	<i>List-II</i> (<i>Scope</i>)
(a) Blue	(i) Can archive post-print
(b) Green	(ii) Can archive both post-print and pre-print
(c) Yellow	(iii) Can archive pre-print
(d) White	(iv) Archiving not formally supported

Codes:

(a)	(b)	(c)	(d)
(A) (i)	(ii)	(iii)	(iv)
(B) (iv)	(iii)	(ii)	(i)
(C) (ii)	(iv)	(i)	(iii)
(D) (iii)	(iv)	(ii)	(i)

25. Match the following:

<i>List-I</i>	<i>List-II</i>
(a) Lexis-Nexis	(i) Has PDFs of hundreds of journals
(b) HeinOnline	(ii) Law reviews and journals files
(c) Wolters Cluwer	(iii) A unified delivery platform specialized in biomedical contents
(d) Ovid Discovery	(iv) The world's most trusted medical research platform

Codes:

(a)	(b)	(c)	(d)
(A) (i)	(ii)	(iii)	(iv)
(B) (iv)	(iii)	(i)	(ii)
(C) (iii)	(i)	(ii)	(iv)
(D) (ii)	(i)	(iv)	(iii)

26. SciFinder provides access to

- (i) CAPlus
- (ii) CAS Registry
- (iii) CHEMLIST
- (iv) ChemSpider

Codes:

- (A) (i) and (iii) are correct.
- (B) (i) and (ii) are correct.
- (C) (i), (ii) and (iii) are correct.
- (D) (ii), (iii) and (iv) are correct.

27. Which canon is responsible for arrangement of books on library shelves?

- (A) Canon of Coextensiveness
- (B) Canon for Filiatory Sequence
- (C) Canon of Relevance
- (D) Canon of Underextensiveness

28. Identify the person based on following characteristics:

- (a) A library scholar, known for her research on bibliographic control.
- (b) She authored a book entitled "The Intellectual Foundation of Information Organization".
- (c) A recipient of Margaret Mann Citation and the Ranganathan Award for Classification Research.

- (A) Elaine Svenonius
- (B) Barbara B. Tillet
- (C) Linda Eastman
- (D) Nita Kibble

29. Who among the following is acknowledged as the "father of GIS" (Geographic Information System)?

- (A) Howard T. Fisher
- (B) Jack Dangermond
- (C) Roger Tomlinson
- (D) Waldo Rudolph Tobler

30. The Patent Information System, Government of India is located at

- (A) New Delhi
- (B) Pune
- (C) Bhopal
- (D) Nagpur

31. Arrange the following initiatives taken by OCLC according to their year of emergence:

- (i) Printed its last card catalogue
- (ii) Preservation microfilm and digitization operation
- (iii) Produced first catalogue card for members
- (iv) Started advocacy campaign called "geek the library"

Codes:

- (A) (ii), (i), (iii), (iv)
- (B) (iii), (i), (iv), (ii)
- (C) (iii), (i), (ii), (iv)
- (D) (iii), (ii), (i), (iv)

32. Match the following:

List-I

List-II

- | | |
|-------------|---------------------------|
| (a) Memex | (i) H.P. Luhn |
| (b) BALLOTS | (ii) Vannevar Bush |
| (c) SRU | (iii) Library of Congress |
| (d) KWIC | (iv) Stanford University |

Codes:

- | | | | |
|----------|-------|-------|------|
| (a) | (b) | (c) | (d) |
| (A) (ii) | (iv) | (iii) | (i) |
| (B) (ii) | (iii) | (iv) | (i) |
| (C) (iv) | (ii) | (iii) | (i) |
| (D) (i) | (iii) | (iv) | (ii) |

33. Match the following:

<i>List-I</i> (CIS tools)	<i>List-II</i> (Use)
------------------------------	-------------------------

- | | |
|----------|--------------------|
| (a) AIRS | (i) Code list |
| (b) IPSV | (ii) Category list |
| (c) GCL | (iii) Thesaurus |
| (d) LGAL | (iv) Taxonomy |

Codes:

- | | | | |
|-----------|-------|-------|------|
| (a) | (b) | (c) | (d) |
| (A) (iii) | (i) | (ii) | (iv) |
| (B) (ii) | (iii) | (iv) | (i) |
| (C) (iv) | (ii) | (iii) | (i) |
| (D) (iv) | (iii) | (ii) | (i) |

34. Match the following:

<i>List-I</i>	<i>List-II</i>
---------------	----------------

- | | |
|------------|------------------------------------|
| (a) LOCKSS | (i) British Library |
| (b) DORIA | (ii) University of Glasgow |
| (c) ESPIDA | (iii) Helsinki University Library |
| (d) LIFE | (iv) Stanford University Libraries |

Codes:

- | | | | |
|-----------|-------|-------|-------|
| (a) | (b) | (c) | (d) |
| (A) (i) | (ii) | (iii) | (iv) |
| (B) (iv) | (iii) | (ii) | (i) |
| (C) (ii) | (iv) | (i) | (iii) |
| (D) (iii) | (iv) | (i) | (ii) |

35. Match the following:

<i>List-I</i>	<i>List-II</i>
---------------	----------------

- | | |
|---------------------------|--|
| (a) H.W. Wilson Co. | (i) Cambridge Information Group |
| (b) University Microfilms | (ii) Rowman & Littlefield Publishing Group |
| (c) R. R. Bowker LLC | (iii) EBSCO Publishing |
| (d) Scarecrow Press | (iv) ProQuest LLC |

Codes:

- | | | | |
|-----------|-------|-------|-------|
| (a) | (b) | (c) | (d) |
| (A) (i) | (iv) | (ii) | (iii) |
| (B) (iv) | (i) | (iii) | (ii) |
| (C) (iii) | (iv) | (i) | (ii) |
| (D) (ii) | (iii) | (iv) | (i) |

36. Match the following:

<i>List-I</i> (Govt.-based Community Information Service)	<i>List-II</i> (State)
--	---------------------------

- | | |
|------------------|-------------------|
| (a) CHIPS | (i) Kerala |
| (b) Mahitishakti | (ii) Chhattisgarh |
| (c) Akshaya | (iii) Haryana |
| (d) Nai Disha | (iv) Gujarat |

Codes:

- | | | | |
|-----------|------|------|-------|
| (a) | (b) | (c) | (d) |
| (A) (iii) | (i) | (ii) | (iv) |
| (B) (iii) | (ii) | (i) | (iv) |
| (C) (ii) | (iv) | (i) | (iii) |
| (D) (iii) | (iv) | (ii) | (i) |

37. Match the following:

<i>List-I</i>	<i>List-II</i>
---------------	----------------

- | | |
|------------|--------------------------------|
| (a) DeLCON | (i) Astronomy and Astrophysics |
| (b) CeRA | (ii) Science and Technology |
| (c) NKRC | (iii) Agriculture |
| (d) FORSA | (iv) Biotechnology |

Codes:

- | | | | |
|-----------|-------|-------|------|
| (a) | (b) | (c) | (d) |
| (A) (i) | (ii) | (iii) | (iv) |
| (B) (iii) | (iv) | (i) | (ii) |
| (C) (i) | (iii) | (ii) | (iv) |
| (D) (iv) | (iii) | (ii) | (i) |

38. In 7th ed. of CC, which indicator digit among the following has no antertiorizing value:

- | |
|---------------------------------|
| (A) ← (Backward Arrow) |
| (B) * (Asterisk) |
| (C) “ ” (Double Inverted Comma) |
| (D) = (Equal to) |

39. Who is considered as the 'mother of MARC' (declared by Library of Congress in 2006)?

- (A) Henriette Avram
- (B) Carla Hayden
- (C) Laura Welch Bush
- (D) Beverly Cleary

40. 'Peek-a-Boo Cards', a generic term to represent aspects cards, optical coincidence cards, feature cards, and Batten cards, was chosen by

- (A) Allen Kent and J. W. Perry
- (B) Charles P. Bourne and Harold Borko
- (C) J. L. Jolley and J. Edwin Holmstrom
- (D) W. A. Wildhack and J. Stern

41. Which concept among the following belongs to 'Five predicables'?

- (A) Principles
- (B) Accident
- (C) Canons
- (D) Characteristics

42. Role of Speciators in Colon Classification is to form

- (A) a basic subject.
- (B) a complex subject.
- (C) a secondary basic subject.
- (D) a compound basic subject.

43. Which of the following is a secondary basic subject?

- (A) X 26 (Standard of living)
- (B) 9f (Research methodology)
- (C) L-9C (Child medicine)
- (D) XYT (Econometrics)

44. Identify the person based on the features given below:

- (a) A leading computer scientist working in the field of information retrieval during his time.
- (b) He was associated with the SMART (System for the Mechanical Analysis and Retrieval of Text) Information Retrieval System.
- (c) He is well known for developing the now widely used vector space model for Information Retrieval.
- (A) Stephen Robertson
- (B) W. Bruce Croft
- (C) Hans Peter Luhn
- (D) Gerard Salton

45. Contribution of W.C.B. Sayers in Library Classification is introduction of

- (A) 27 canons
- (B) 30 canons
- (C) 29 canons
- (D) 24 canons

46. Which one of the following is not a principle for mapping the Universe of Knowledge as suggested by D.W. Langridge?

- (A) Ideological Principle
- (B) Principle of Social Purpose
- (C) Scientific Order
- (D) Principle of Cognition

47. Which of the following is an example of Canon of Terminology as depicted in Colon Classification?

- (A) Canon of Modulation
- (B) Canon of Coordinate Class
- (C) Canon of Consistency
- (D) Canon of Currency

48. The Classic 'Probabilistic Model' of IR was introduced by Robertson and Spärck Jones in the year

- (A) 1886
- (B) 1976
- (C) 1986
- (D) 1990

49. Who identified the six functions of bibliographic control?

- (A) Arlene G. Taylor
- (B) Patrick Wilson
- (C) Robert B. Downs
- (D) Ronald Hagler

50. The index of the AACR2R (1988) was compiled by

- (A) Eric J. Hunter
- (B) K. G. B. Bakewell
- (C) Jean Weihs
- (D) Paul Winkler

51. Which one of the following does not belong to the group?

- (A) Moy's Classification Scheme for Law Books
- (B) ACM's Computing Classification Scheme
- (C) International Patent Classification
- (D) Harvard Classification of Business Studies

52. The primary uses of descriptive metadata are

- (i) Discovery
- (ii) Display
- (iii) Interoperability
- (iv) Navigation

Codes:

- (A) (i) and (ii) are correct.
- (B) (i) and (iii) are correct.
- (C) (i), (ii) and (iii) are correct.
- (D) (i), (ii) and (iv) are correct.

53. Identify the key features of 'Boolean Model' of IR from the following:

- (i) Provides a framework that is extremely difficult to grasp by common user.
- (ii) Its queries are specified having precise semantics.
- (iii) Its inherent simplicity, neat formalism attracts the users.
- (iv) It does not provide relevance ranking.

Codes:

- (A) (i) and (ii) are correct.
- (B) (i) and (iii) are correct.
- (C) (ii) and (iii) are correct.
- (D) (i) and (iv) are correct.

54. Identify from the following, the principal theories as identified by Andrew Osborn in "The Crisis in Cataloguing":

- (i) Legalistic
- (ii) Perfectionistic
- (iii) Characteristics
- (iv) Bibliographic

Codes:

- (A) (i), (ii) and (iii) are correct.
- (B) (ii), (iii) and (iv) are correct.
- (C) (i), (ii) and (iv) are correct.
- (D) (i), (iii) and (iv) are correct.

55. The AACR2R (1988) used the following tools for reconciliation and standardization of its rules and examples:

- (i) The Chicago Manual of Style
- (ii) Webster's Third New International Dictionary of the English Language, Unabridged
- (iii) The ALA/LC Romanization Tables
- (iv) LC Descriptive Cataloging Manual Section Z12

Codes:

- (A) (i) and (ii) are correct.
- (B) (iii) and (iv) are correct.
- (C) (i), (ii) and (iii) are correct.
- (D) (i), (ii) and (iv) are correct.

56. Map Semantically:

<i>List-I</i> (DCE Element)	<i>List-II</i> (MARC tag)
(a) DC.Title	(i) 041
(b) DC. Identifier	(ii) 650
(c) DC. Subject	(iii) 245
(d) DC. Language	(iv) 856

Codes:

- | | | | | |
|-----|-------|-------|-------|------|
| (A) | (i) | (ii) | (iii) | (iv) |
| (B) | (iv) | (iii) | (ii) | (i) |
| (C) | (ii) | (iii) | (iv) | (i) |
| (D) | (iii) | (iv) | (ii) | (i) |

57. Match the following (in context of CC 6th ed. [rep.]):

- | <i>List-I</i> | <i>List-II</i> |
|------------------|----------------------------|
| (a) Cold Storage | (i) System Facet |
| (b) Harvesting | (ii) Foci in [2E] |
| (c) Sowing | (iii) Foci in [E] |
| (d) Forestry | (iv) Foci in [2E] cum [3P] |

Codes:

- | | | | | |
|-----|-------|-------|-------|------|
| | (a) | (b) | (c) | (d) |
| (A) | (i) | (ii) | (iii) | (iv) |
| (B) | (iv) | (iii) | (i) | (ii) |
| (C) | (iii) | (iv) | (ii) | (i) |
| (D) | (iv) | (i) | (iii) | (ii) |

58. Match the following:

- | <i>List-I</i> | <i>List-II</i> |
|----------------------|----------------|
| (a) ETDs | (i) Shodhganga |
| (b) Images | (ii) CCO |
| (c) Cultural Objects | (iii) CanCore |
| (d) Learning Objects | (iv) VRA-Core |

Codes:

- | | | | | |
|-----|-----|-------|-------|-------|
| | (a) | (b) | (c) | (d) |
| (A) | (i) | (iii) | (iv) | (ii) |
| (B) | (i) | (ii) | (iii) | (iv) |
| (C) | (i) | (ii) | (iv) | (iii) |
| (D) | (i) | (iv) | (ii) | (iii) |

59. Match the following:

- | <i>List-I</i> | <i>List-II</i> |
|---|-----------------------|
| (a) Organization of Knowledge and System of Science | (i) A. C. Foskett |
| (b) Classification: Theoretical and Practical | (ii) H. E. Bliss |
| (c) Principle of Book Classification | (iii) E. W. Hulme |
| (d) Subject Approach to Information | (iv) E. C. Richardson |

Codes:

- | | | | | |
|-----|-------|-------|-------|------|
| | (a) | (b) | (c) | (d) |
| (A) | (i) | (iii) | (ii) | (iv) |
| (B) | (ii) | (iv) | (iii) | (i) |
| (C) | (iii) | (ii) | (i) | (iv) |
| (D) | (iv) | (iii) | (ii) | (i) |

60. Match the following:

- | <i>List-I</i> | <i>List-II</i> |
|-----------------|-------------------------|
| (a) Open eNRICH | (i) Data format |
| (b) IPSV | (ii) Metadata |
| (c) CCF/F | (iii) Software |
| (d) Seamless UK | (iv) Vocabulary control |

Codes:

- | | | | | |
|-----|-------|-------|-----|------|
| | (a) | (b) | (c) | (d) |
| (A) | (iii) | (ii) | (i) | (iv) |
| (B) | (iii) | (iv) | (i) | (ii) |
| (C) | (ii) | (iii) | (i) | (iv) |
| (D) | (iv) | (iii) | (i) | (ii) |

61. Match the following:

- | <i>List-I</i>
(<i>Marc 21 Tag</i>) | <i>List-II</i>
(<i>Control Field in MARC 21 Bibliographic Format</i>) |
|---|--|
| (a) 005 | (i) Fixed-length data elements— general information |
| (b) 006 | (ii) Physical description fixed field—Text |
| (c) 007 | (iii) Books-(00-17)—Fixed-length field |
| (d) 008 | (iv) Date and time of latest transaction |

Codes:

- | | | | | |
|-----|------|-------|-------|-------|
| | (a) | (b) | (c) | (d) |
| (A) | (i) | (ii) | (iii) | (iv) |
| (B) | (iv) | (iii) | (ii) | (i) |
| (C) | (ii) | (iv) | (i) | (iii) |
| (D) | (i) | (iv) | (ii) | (iii) |

62. Match the following:

List-I

List-II

- | | |
|--------------------------------|---------------------------|
| (a) Inverse document frequency | (i) Anthony Debons |
| (b) Context dependency | (ii) C. J. van Rijsbergen |
| (c) Informatology | (iii) Derek W. Austin |
| (d) Retrieval uncertainty | (iv) Karen Spärck Jones |

Codes:

- | | | | |
|-----------|-------|------|-------|
| (a) | (b) | (c) | (d) |
| (A) (ii) | (i) | (iv) | (iii) |
| (B) (iv) | (iii) | (i) | (ii) |
| (C) (iii) | (i) | (ii) | (iv) |
| (D) (i) | (iii) | (ii) | (iv) |

63. Match the following:

List-I

List-II

- | | |
|-------------------------------------|--|
| (a) C. J. van Rijsbergen | (i) Information retrieval today |
| (b) B. Rebeiro and R. Baeza-Yates | (ii) Modern information retrieval |
| (c) F.W. Lancaster and A. J. Warner | (iii) Introduction to modern information retrieval |
| (d) G. Salton and M. J. McGill | (iv) The geometry of information retrieval |

Codes:

- | | | | |
|-----------|-------|------|-------|
| (a) | (b) | (c) | (d) |
| (A) (i) | (iv) | (ii) | (iii) |
| (B) (iv) | (ii) | (i) | (iii) |
| (C) (iii) | (i) | (ii) | (iv) |
| (D) (ii) | (iii) | (i) | (iv) |

64. *Assertion (A)* : Boolean Model, one of the three Classic Information Retrieval Models, remained as the most popular and dominate IR Model, of IR in the past.

Reason (R) : This model provides a framework that is easy to grasp by common users (of an IR system) for its inherent simplicity and neat formalism as Boolean expressions have precise semantics which led to the adoption of this IR model in early commercial bibliographic systems.

Codes:

- (A) (A) is true, (R) is false.
 (B) (A) and (R) both are false.
 (C) (A) is false, but (R) is true.
 (D) (A) and (R) both are true.

65. *Assertion (A)* : In UDC, the order of facets in class numbers is reverse of their arrangements on the shelves.

Reason (R) : In terms of citation order, this arrangement is known as 'Principle of Inversion', however, no formulated order has been presented for special auxiliaries.

Codes:

- (A) (A) is true, (R) is false.
 (B) (A) and (R) both are true.
 (C) (A) is false, but (R) is true.
 (D) (A) and (R) both are false.

66. SWOC Analysis can be used

- (i) As a framework used to evaluate a library's competitive position.
- (ii) To develop strategic planning and assess internal and external factors and current, as well as, future potential of the library.
- (iii) To unease and complicate a realistic, fact-based and data-driven look at the strength and weaknesses of the Library.
- (iv) To exclusively use as a guide and as a prescription.

Codes:

- (A) (i) and (iv) are correct.
- (B) (i) and (iii) are correct.
- (C) (i) and (ii) are correct.
- (D) (ii) and (iii) are correct.

67. Information in the SIVA model of marketing mix corresponds to

- (A) Place
- (B) Promotion
- (C) Price
- (D) Product

68. Every PERT/CPM network has two basic components, namely

- (A) Float and Slack
- (B) Event and Activity
- (C) Nodes and Processor
- (D) Time and Work

69. Which of the following techniques are used for forecasting a library's future manpower requirement?

- (i) Managerial judgement
- (ii) Delphi technique
- (iii) Job design
- (iv) Ratio-trend analysis

Codes:

- (A) (i) and (ii) are correct.
- (B) (ii) and (iv) are correct.
- (C) (i), (ii) and (iii) are correct.
- (D) (i), (ii) and (iv) are correct.

70. Match the following:

List-I

List-II

- | | |
|--|--|
| (a) General Financial Rule (2017) Rule 213 | (i) Grant-in Aid to Public Library |
| (b) General Financial Rule (2017) Rule 215 | (ii) Physical Verification of Fixed Assets |
| (c) General Financial Rule (2017) Rule 210 | (iii) Physical Verification of Library Books |
| (d) General Financial Rule (2017) Rule 228 | (iv) Custody of Goods and Materials |

Codes:

- | | | | | |
|-----|-------|-------|-------|-------|
| | (a) | (b) | (c) | (d) |
| (A) | (i) | (ii) | (iii) | (iv) |
| (B) | (ii) | (iii) | (iv) | (i) |
| (C) | (iv) | (ii) | (i) | (iii) |
| (D) | (iii) | (i) | (ii) | (iv) |

71. Match the following:

List-I

List-II

- | | |
|-------------------------------------|------------|
| (a) Disability Discrimination Act | (i) 1974 |
| (b) Employment Rights Act | (ii) 1975 |
| (c) Rehabilitation of Offenders Act | (iii) 1996 |
| (d) Sex Discrimination Act | (iv) 1997 |

Codes:

- | | | | | |
|-----|-------|-------|-------|-------|
| | (a) | (b) | (c) | (d) |
| (A) | (iv) | (ii) | (i) | (iii) |
| (B) | (iii) | (iv) | (i) | (ii) |
| (C) | (i) | (ii) | (iii) | (iv) |
| (D) | (iv) | (iii) | (i) | (ii) |

72. Stateful Packet Inspection

- (i) is also sometimes called dynamic packet filtering.
- (ii) is a powerful firewall architecture that examines traffic streams from end to end.
- (iii) is more secured than basic packet filtering firewalls.
- (iv) works at the application layer in the OSI model.

Codes:

- (A) (i) and (ii) are correct.
- (B) (i), (ii) and (iii) are correct.
- (C) (i), (iii) and (iv) are correct.
- (D) (ii), (iii) and (iv) are correct.

73. Match the following:

List-I

List-II

- | | |
|---|------------|
| (a) Calcutta Public Library | (i) 1821 |
| (b) Khuda Baksh Oriental Public Library | (ii) 1876 |
| (c) Raghunandan Library, Puri | (iii) 1835 |
| (d) Rampur Raza Library | (iv) 1774 |

Codes:

- | | | | | |
|-----|-------|------|-------|-------|
| | (a) | (b) | (c) | (d) |
| (A) | (i) | (ii) | (iii) | (iv) |
| (B) | (iii) | (ii) | (i) | (iv) |
| (C) | (iii) | (iv) | (i) | (ii) |
| (D) | (i) | (iv) | (ii) | (iii) |

74. Assertion (A) : The web is becoming a universal repository of human knowledge and culture that allows unprecedented sharing of ideas or information in a scale never seen before.

Reason (R) : The success of web is usually based on conception of a standard user-interface which is always the same, no matter what computational environment is used to run the interface. Moreover, the user is shielded from details of communication protocols, machine location, and operating system.

Codes:

- (A) (A) is true, (R) is false.
- (B) (A) and (R) both are false.
- (C) (A) is false, but (R) is true.
- (D) (A) and (R) both are true.

75. What is the name of the cloud-based interface produced by OCLC for resource sharing?

- (A) Tipasa
- (B) Relais D2D
- (C) World Share Inter Library Loan
- (D) CONTENT dm

76. Given below is a term-document incidence matrix on the basis of characters and drama of Shakespeare. Matrix element (t, d) is 1 if the play in column d contains the term (character) in row t, and is 0 (zero) otherwise.

	Antony and Cleopatra	Julius Caesar	The Tempest	Hamlet	Othello	Macbeth
Antony	1	1	0	0	0	1
Brutus	1	1	0	1	0	0
Caesar	1	1	0	1	1	1
Calpurnia	0	1	0	0	0	0

Use Boolean Retrieval Model to answer which document vector will be retrieved for the query: (Antony OR Brutus) NOT Calpurnia

- (A) 110100
- (B) 110111
- (C) 100101
- (D) 100100

77. Consider the following key principles about "Digital Library Architecture":

- (i) Middleware is an important part of this architecture which connects applications to the software on clients and servers.
- (ii) It follows open architecture mechanism.
- (iii) Scalability, extensibility and sustainability are the three key features of this architecture.
- (iv) Well defined standards and protocols are not required for interoperability.

Codes:

- (A) (i), (ii) and (iv) are correct.
- (B) (ii), (iii) and (iv) are correct.
- (C) (i), (iii) and (iv) are correct.
- (D) (i), (ii) and (iii) are correct.

78. Match the following:

List-I

(Search Engine)

- (a) Solr
- (b) Zebra
- (c) MGPP
- (d) Lucene

List-II

(Associated Software)

- (i) VuFind (Ver. 6.0)
- (ii) DSpace (Ver. 3.X)
- (iii) Koha (Ver. 19.05)
- (iv) Green Stone (Ver. 2.X)

Codes:

- | | | | | |
|-----|-------|-------|------|------|
| | (a) | (b) | (c) | (d) |
| (A) | (ii) | (iii) | (i) | (iv) |
| (B) | (iii) | (i) | (iv) | (ii) |
| (C) | (i) | (iii) | (iv) | (ii) |
| (D) | (iv) | (iii) | (ii) | (i) |

79. Arrange the following open access declarations in chronological order of their date of initiation:

- (i) Bethesda statement on Open Access Publishing
- (ii) Brisbane Declaration on Open Access
- (iii) Budapest Open Access Initiative
- (iv) OECD Declaration on Access to Research Data from Public Funding

Codes:

- (A) (i), (ii), (iv), (iii)
- (B) (ii), (iv), (iii), (i)
- (C) (iv), (iii), (ii), (i)
- (D) (iii), (i), (iv), (ii)

80. Assertion (A) : Ontology is a formal, machine-readable specification of a conceptual model.

Reason (R) : Ontology is a controlled vocabulary, which uses one or more relations for a defined domain.

Codes:

- (A) (A) is false but (R) is true.
- (B) (A) is true but (R) is false.
- (C) Both (A) and (R) are true.
- (D) Both (A) and (R) are false.

81. Assertion (A) : Modern Computers and Communications can store and process information and made it accessible in ways never before achieved.

Reason (R) : These ICTs can also enhance opportunities for misuse, theft, loss and abuse and, in particular, indiscriminate dissemination of information.

Codes:

- (A) (A) is false but (R) is true.
- (B) (A) is true but (R) is false.
- (C) (A) and (R) both are false.
- (D) (A) and (R) both are true.

82. "Goole can bring you back 100,000 answers, a librarian can bring you back the right one." Who said this?

- (A) Issac Asimov
- (B) Neil Gaiman
- (C) Norman Cousins
- (D) Peter Singer

83. In the size of the study population is very small, the following sampling method will give better results:

- (A) Purposive
- (B) Stratified
- (C) Random
- (D) Census

84. The description of relation between work and time could be drawn in a

- (A) Organization chart
- (B) Pie chart
- (C) Gantt chart
- (D) Bar chart

85. In SPSS, what is the "Data Viewer"?

- (A) A table summarizing the frequencies of data for one variable.
- (B) A dialog box that allows you to choose a statistical test.
- (C) A screen in which variables can be defined and labeled.
- (D) A spread sheet into which data can be entered.

86. Identify a free reference manager and academic social networking tool that helps in organising research, collaborative online and discover new research.

- (A) EndNote
- (B) JobRef
- (C) PaperPile
- (D) Mendeley

87. Consider the following statements about 'R' statistical software and mark the incorrect statement:

- (A) R was initially written at University of Auckland, New Zealand.
- (B) R provides a suite of operators for calculations on array, chain, vector and matrices.
- (C) The biggest drawback of R is that it cannot be used for recursive function.
- (D) R provides a large, coherent and integrated collection of tools for data analysis.

88. Drawing information or content from the work of another without acknowledging the source by citing a reference is considered to be plagiarism in all of the following cases except:

- (i) Using the exact words of the author.
- (ii) Using data that the author has compiled through his/her independent investigation.
- (iii) Using information from the author's work that is regarded as common knowledge in the discipline.
- (iv) Reproducing a chart contained in the author's work.

Codes:

- (A) (i), (ii) and (iv) are correct.
- (B) (i), (ii) and (iii) are correct.
- (C) (i), (iii) and (iv) are correct.
- (D) (ii), (iii) and (iv) are correct.

89. Match the following:

- | <i>List-I</i> | <i>List-II</i> |
|-----------------|----------------------------|
| (a) SIGIT | (i) Information Technology |
| (b) Sci Central | (ii) Science |
| (c) TIPTOP | (iii) Physics |
| (d) DMOZ | (iv) Multidisciplinary |

Codes:

- | | | | |
|----------|-------|-------|-------|
| (a) | (b) | (c) | (d) |
| (A) (i) | (ii) | (iii) | (iv) |
| (B) (i) | (ii) | (iv) | (iii) |
| (C) (iv) | (ii) | (iii) | (i) |
| (D) (iv) | (iii) | (ii) | (i) |

90. Match the following:

<i>List-I</i>	<i>List-II</i>
(a) Alan Jeffreys Award	(i) Information retrieval/ natural language processing
(b) Takeshi Murofushi Research Award	(ii) Chemical information Science
(c) Herman Skolnik Award	(iii) Cataloguing and Indexing
(d) Karen Spärck Jones Award	(iv) School librarianship

Codes:

	(a)	(b)	(c)	(d)
(A)	(i)	(iv)	(ii)	(iii)
(B)	(iv)	(ii)	(iii)	(i)
(C)	(iii)	(iv)	(ii)	(i)
(D)	(ii)	(iii)	(i)	(iv)

91. Match the following:

<i>List-I</i>	<i>List-II</i>
(a) Journal of Information Science	(i) American Documentation
(b) Information Processing and Management	(ii) The Information Scientist
(c) SRELS Journal of Information Management	(iii) Information storage and Retrieval
(d) Journal of the Association for Information Science and Technology	(iv) Library Science with a Slant to Documentation

Codes:

	(a)	(b)	(c)	(d)
(A)	(i)	(ii)	(iv)	(iii)
(B)	(iii)	(i)	(iv)	(ii)
(C)	(ii)	(iii)	(iv)	(i)
(D)	(ii)	(iv)	(iii)	(i)

92. Match the following variables with their corresponding descriptions:

<i>List-I</i>	<i>List-II</i>
(a) Intervening variable	(i) Two or more variables represent the same variable
(b) Antecedent variable	(ii) Variable occurs prior to some already identified or independent variable
(c) Component variable	(iii) Another influence that may affect the dependent variable in which the researcher is not interested.
(d) Confounding or Interfering variable	(iv) Occurs in the causal chain between some independent variable and its dependent variable.

Codes:

	(a)	(b)	(c)	(d)
(A)	(i)	(ii)	(iii)	(iv)
(B)	(iv)	(iii)	(ii)	(i)
(C)	(iv)	(ii)	(i)	(iii)
(D)	(ii)	(i)	(iv)	(iii)

93. Match the following:

<i>List-I</i>	<i>List-II</i>
(a) Inductive Hypothesis	(i) Proposing a relationship between two phenomena or variables
(b) Deductive Hypothesis	(ii) Generalisation-based on observation (from particular to general)
(c) Directional Hypothesis	(iii) Derived from a theory (shifts from the general to particular)
(d) Bi-variate Hypothesis	(iv) Indicates nature of relationship between or among variables.

Codes:

	(a)	(b)	(c)	(d)
(A)	(ii)	(iii)	(iv)	(i)
(B)	(i)	(ii)	(iii)	(iv)
(C)	(iv)	(iii)	(ii)	(i)
(D)	(iii)	(i)	(iv)	(ii)

94. Match the following:

List-I

- (a) Chicago Style Manual
- (b) Blue Book
- (c) Turabian
- (d) Oxford Guide to Style

List-II

- (i) Writers, Editors & Publishes
- (ii) Legal Profession
- (iii) Academic Profession
- (iv) General to all

Codes:

- | | | | | |
|-----|-------|------|-------|-------|
| | (a) | (b) | (c) | (d) |
| (A) | (iv) | (ii) | (iii) | (i) |
| (B) | (ii) | (i) | (iv) | (iii) |
| (C) | (iii) | (ii) | (i) | (iv) |
| (D) | (i) | (ii) | (iii) | (iv) |

95. *Assertion (A)*: Compared with co-citation and bibliographic coupling, direct citations (some times referred to as cross citations) offer a more direct indication of the relatedness of publications.

Reason (R): Nevertheless, in the Literature on Visualizing bibliometric networks, it is relatively uncommon to work with direct citations, as the use of direct citations often leads to very sparse networks.

Codes:

- (A) (A) is true but (R) is false.
- (B) (A) and (R) both are false.
- (C) (A) is false but (R) is true.
- (D) (A) and (R) both are true.

96. Identify the odd one out:

- (A) Case folding
- (B) Dictionary compression
- (C) Stemming
- (D) Stop word elimination

97. What is 'The Library 100'?

- (A) The 100 mostly used research libraries across the world as identified by Association of Research Libraries (ARL), US.
- (B) The 100 mostly used medical libraries across the world as identified by National Library of Medicine, US.
- (C) The 100 timeless, top novels—those found in thousands of libraries around the world—using WorldCat.
- (D) The 100 mostly used public libraries across the world as identified by American Library Association (ALA), US.

98. What is the name of web-based, password-protected service that provides access to thousands of audio and Braille books, magazines and musics, provided by Library of Congress?

- (A) BRAILSIS
- (B) BRUCE
- (C) BARD
- (D) DAISY

99. 'Sugamya Pustakalaya' is
- (i) an online library for persons with visual disabilities.
 - (ii) organized by the Ministry of Social Justice and Empowerment, Govt. of India.
 - (iii) books for Divyangjans are available only in single language.
 - (iv) aims to bridge the digital divide between have's and have not's.

Codes:

- (A) (i), (ii) & (iii) are correct.
- (B) (i), (ii) & (iv) are correct.
- (C) (ii), (iii) & (iv) are correct.
- (D) (i), (iii) & (iv) are correct.

100. Arrange the following public libraries in chronological order of their date of establishment:

- (i) New York Public Library
- (ii) Manchester Free Library
- (iii) State Central Library, Kerala
- (iv) Boston Public Library

Codes:

- (A) (i), (ii), (iv), (iii)
 - (B) (iii), (iv), (ii), (i)
 - (C) (ii), (iii), (iv), (i)
 - (D) (iii), (i), (ii), (iv)
-

ROUGH WORK

19-II

X-20

ROUGH WORK