

## QUESTION PAPER

*Entrance test for Junior Research Fellow (Library & Information Science) (2017)*

**Test Code: LIA**

1. Answer all questions.
  2. All questions carry equal marks.
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1. "Grey Literature" means

- A. Audio-visual material
- B. Internal reports published formally
- C. Material and information that is not formally published
- D. Archival documents

2. Identify the reference source you will consult to locate information on REM stage of sleep?

- A. Encyclopedia of Sociology
- B. Encyclopedia of Psychology
- C. Encyclopedia of Philosophy
- D. None of the above

3. Which of the following Latin abbreviation denotes the meaning "in the work already cited"?

- A. op. cit.
- B. vide.
- C. q.v.
- D. none of the above

4. "Principle of Literary Warrant" was initially formulated by

- A. S.R. Ranganathan
- B. E.W. Hulme
- C. M.A. Gopinath
- D. Melvil Dewey

5. What is a database?

- A. A collection of similar records
- B. A collection of fields
- C. A collection of related data elements
- D. None of the above

6. Precision and Recall are the outcome of

- A. Cranfield 1 experiment
- B. Cranfield 2 experiment
- C. TREC
- D. SIGIR

7. Fair use is a term most relevant to

- A. Intellectual Property Rights
- B. Books borrowed for home reading
- C. Copyright
- D. Use of reference books

8. Which of the following provides information on 'ongoing Ph.D. thesis and dissertations'?

- A. Vidyanidhi
- B. ShodhGangotri
- C. ShodhGanga
- D. Indian National Depository Library

9. The alternative term used by the Library of Congress for 'simplified cataloguing' is

- A. selective cataloguing
- B. easy cataloguing
- C. restricted cataloguing
- D. limited cataloguing

10. Match the following:

- a. The date of next month's full moon day
- b. The origin of the term "Encyclopaedia"
- c. Last year's Nobel laureates in Physics
- d. The date of birth of S. R. Ranganathan
- i. Yearbooks
- ii. Who was who
- iii. Almanacs
- iv. Dictionary

- A. a-iv, b-i, c-ii, d-iii
- B. a-iii, b-iv, c-i, d-ii
- C. a-iv, b-iii, c-i, d-ii
- D. a-iii, b-i, c-ii, d-iv

11. The subject headings "Ornithology" and "Birds" are linked in a retrieval system ....

- A. by a "see also" reference
- B. by a "see" reference
- C. by both "see" and "see also" references
- D. none of the above

12. The process of sequencing the pages of a volume is known in binding as

- A. Sewing
- B. Guard

- C. Pulling
- D. Collation

13. When the Basic Subject is “Lumbering”, the isolate idea “Timber” is a manifestation of ...

- A. Personality
- B. Matter-Material
- C. Matter-Property
- D. None of the above

14. JSTOR is

- A. An online system for archiving and accessing academic journals
- B. A publishing house
- C. Books selling website
- D. All of the above

15. The subject “Tropical Biology” has been formed by which of the following modes of subject formation?

- A. Fusion
- B. Distillation
- C. Lamination
- D. Loose Assemblage

16. CIDOC-CRM is a data standard for the description of ...

- A. multimedia content
- B. digital learning, education or training
- C. surveys, questionnaires, social sciences study-level information
- D. museum documentation

17. Match the following (MARC21 content designators)

- |        |                              |
|--------|------------------------------|
| a. 40X | i. Subject Access Fields     |
| b. 60X | ii. Added Entry Fields       |
| c. 80X | iii. Series Statement Fields |
| d. 70X | iv. Series Added Entry       |

- A. a-ii, b-i, c-iii, d-iv
- B. a-iii, b-ii, c-i, d-iv
- C. a-iii, b-i, c-iv, d-ii
- D. a-i, b-iii, c-iv, d-ii

18. Match the following:

- |           |                                                         |
|-----------|---------------------------------------------------------|
| a. DDI    | i. encoding an authority description                    |
| b. MADS   | ii. long-term usability of a digital resource           |
| c. MEI    | iii. describing surveys and other observational methods |
| d. PREMIS | iv. coding format for musical notation                  |

- A. a-i, b-iv, c-ii, d-iii
- B. a-ii, b-iv, c-i, d-iii
- C. a-iii, b-i, c-iv, d-ii
- D. a-ii, b-i, c-iii, d-iv

19. .... is a metadata publishing tool

- A. ZOTERO
- B. COBOAT
- C. METS
- D. EVERNOTE

20. “Canon of Exhaustiveness” is one of the Canons for

- A. Array
- B. Chain
- C. Succession of characteristics

D. None of the above

21. **Assertion:** A good and useful collection of reference sources is the backbone of the reference work in a library.

**Reason:** A thorough understanding of these reference sources is essential for proper selection and acquisition.

- A. Assertion is true but reason is false
- B. Reason is true but assertion is false
- C. Assertion and reason, both are true
- D. Assertion and reason, both are false

22. Confounded relationship is ....

- A. the relationship between dependent and independent variable influenced by extraneous variable
- B. the relationship between random and continuous variable
- C. the relationship between dependent and independent variable
- D. the relationship between independent and extraneous variable influenced by dependent variable

23. Match the following:

- |                  |                                                                                                                                                             |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| a. Incunabula    | i. A book accepted as being exemplary or noteworthy                                                                                                         |
| b. Rare Books    | ii. Books produced in the early years of printing, esp. those printed before 1500                                                                           |
| c. Classic Books | iii. A book, document, or piece of music written by hand rather than typed or printed                                                                       |
| d. Manuscripts   | iv. A book that is distinguished by its early printing date, its limited issue, the special character of the edition or binding, or its historical interest |

- A. a-ii, b-iv, c-i, d-iii
- B. a-ii, b-i, c-iii, d-iv
- C. a-iv, b-iii, c-ii, d-i
- D. a-iii, b-ii, c-iv, d-i

24. According to scheduled mnemonics, a scheme for classification should use ..... to represent an isolate idea, in whatever subject it may occur.

- A. the same term and the different numbers
- B. the different terms and the same number
- C. the same term and the same number
- D. none of the above

25. Find out the odd one.

- A. Alfresco
- B. Joomla
- C. DSpace
- D. Plone

26. Journal A has published 1200 articles and 1300 articles in 2008 and 2009 respectively. Number of citations in 2009 for the articles published in 2008 is 1700 and the number of citations in 2010 for the articles published in 2009 is 1400. What is the impact factor of the journal A in 2010?

- A. 1.20
- B. 1.24
- C. 0.728
- D. 0.806

27. In the binary number system, 101 represents which of the following decimal number?

- A. 6
- B. 1
- C. 5
- D. 4

28. A scientist has published 7 articles. The citations received by each of the articles are given in the following table. Calculate the h-index of the scientist.

Articles	Citations
Article 1	4
Article 2	100
Article 3	17
Article 4	89
Article 5	25
Article 6	5
Article 7	48

- A. 5
- B. 4
- C. 3
- D. 6

29. A problem in statistics is given to three students whose chances of solving it are  $\frac{1}{2}$ ,  $\frac{1}{3}$  and  $\frac{1}{4}$ . What is the probability that the problem will be solved?

- A.  $\frac{1}{24}$
- B.  $\frac{1}{8}$
- C.  $\frac{13}{12}$
- D.  $\frac{3}{4}$



30. In a statistics paper, five candidates obtained the following marks:

A	B	C	D	E
9	6	4	10	15

Calculate the mean and standard deviation (s.d.) of these marks.

A. 8.8, 14.16

B. 8.8, 8.41

C. 8.8, 3.76

D. 8.8, 2.83

# ROUGH WORK

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