

C 3378

(Pages : 8)

Name.....

Reg. No.....

Ph.D. ENTRANCE EXAMINATION, APRIL 2021

LIBRARY AND INFORMATION SCIENCE

Time : Two Hours

Maximum : 100 Marks

Part A

Answer all questions.

Each question carries 1 mark.

Choose the correct answer from the choices given.

1. Which of the following Acts was passed in the year 1957 ?
(A) Copyright Act. (B) Delivery of Books Act.
(C) Press and Registration Act. (D) RTI Act.
2. The disciplines of ——— consider the term 'information' as an abstraction similar to matter and energy.
(A) Physical Sciences. (B) Biological Sciences.
(C) Behavioural Sciences. (D) Social Sciences.
3. Who are NOT the knowledge generators among the following in information transfer cycle ?
(A) Authors. (B) Researchers.
(C) Artists. (D) Printers.
4. The research that would form one meaningful paper into several different papers is called :
(A) Duplicate publication. (B) Salami slicing.
(C) Fabrication. (D) Falsification.
5. When was the Draft Policy on Library Information System submitted by the Committee of Prof. Chattopadhyay ?
(A) 1985. (B) 1986.
(C) 1987. (D) 1988.
6. National Library for the Blind is a kind of :
(A) Public Library. (B) Academic Library.
(C) Special Library. (D) Corporate Library.

Turn over

7. The state which has not enacted library legislation is :
- (A) Manipur. (B) Mizoram.
(C) Bihar. (D) Chhattisgarh.
8. Which of the following information literacy models adopted seven pillars approach ?
- (A) CILIP. (B) SCONUL.
(C) ANCIL. (D) ACRL.
9. Which among the following library associations argued for libraries to be included in the economic stimulus package due to COVID-19 pandemic ?
- (A) CILIP. (B) IFLA.
(C) ALA. (D) ILA.
10. Which among the following is concerned with the promotion and development of public libraries in India ?
- (A) ILA. (B) IASLIC.
(C) IATLIS. (D) RRRLF.
11. *The World Book Atlas* is a kind of :
- (A) Geographical source. (B) Biographical source.
(C) Dictionary. (D) Encyclopedia.
12. An electronic mailing list developed by NCSI, Indian Institute of Science, Bangalore is ———.
- (A) LIS-Forum. (B) SALIS-Info.
(C) india-lis@iflalists.org. (D) None of the above.
13. SCOPUS is a :
- (A) Source Database. (B) Referral Database.
(C) Reference Database. (D) Multimedia Database.

14. The type of knowledge captured from experienced people comes under :
- (A) Implicit. (B) Explicit.
- (C) Tacit. (D) All the above.
15. Whether the site is well-designed and stable refers to which criterion for evaluating web resources ?
- (A) Usability. (B) Objectivity.
- (C) Accuracy. (D) Currency.
16. BLDSC stands for :
- (A) British Library Document Supply Centre.
- (B) British Library Document Service Centre.
- (C) British Lending Document Supply Centre.
- (D) Britain Library Document Service Centre.
17. Contents by Journal Service is a kind of ———— service.
- (A) Bibliographic. (B) Alerting.
- (C) Document delivery. (D) Reference.
18. ———— is an open-source data visualization, machine learning and data mining toolkit.
- (A) Orange. (B) Biblioshiny.
- (C) Bibexcel. (D) ScientoPy.
19. Which one is not associated with OER permission as defined by David Wiley in 5 R ?
- (A) Review. (B) Revise.
- (C) Remix. (D) Retain.
20. The functional skills of knowing about and using digital technology effectively is known as :
- (A) Digital literacy. (B) Network literacy.
- (C) User Education. (D) Cloud Technology.
21. Which of the following is NOT a library discovery system ?
- (A) Primo. (B) Canvas.
- (C) Summon. (D) EDS.

Turn over

22. In a discovery architecture, Apache-Tika acts as :
- (A) Harvester. (B) Indexer.
(C) Extractor of full-text. (D) Web server.
23. Quality analysis of articles in journals is possible by knowing the _____ of a journal.
- (A) Chief Editor. (B) Immediacy Index.
(C) Impact factor. (D) Country.
24. Of the following, which is not an academic social media tool ?
- (A) Academia.edu. (B) Research Gate.
(C) LinkedIn. (D) Google scholar.
25. URKUND is renamed now as :
- (A) Ouriginal. (B) Ithenticate.
(C) Shodhsuddi. (D) Turnitin.
26. The Union Cabinet, Government, of India approved the National Education Policy 2020 on _____.
- (A) July 29, 2020. (B) June 29, 2020.
(C) August 29, 2020. (D) July 20, 2020.
27. Which of the following components of ontology refers to the properties of the concept ?
- (A) Attributes. (B) Relations.
(C) Classes. (D) Axioms.
28. Bodleian Library at Oxford University (1602) is a typical example of :
- (A) Academic Libraries of the old world.
(B) Special Libraries of the old world.
(C) Public Libraries of the old world.
(D) National Libraries of the old world.
29. DOAJ (Directory of Open Access Journals) is a _____ Directory.
- (A) Communication-customized on-line.
(B) Corporate - Curated on-line.
(C) Community - Curated on-line.
(D) Cooperate - customized on-line.

30. In SMAC technology, A refers to :
(A) Analytics. (B) Automatic.
(C) Access. (D) Acquisition.
31. Quoting the text with less than forty words is called :
(A) Block Quotation. (B) Indirect Quotation.
(C) Direct Quotation. (D) None of the above.
32. The type of image which is ideal for storing low quality images is _____.
(A) 1-bit black and white. (B) 8-bit colour.
(C) 8-bit grey scale. (D) 24-bit colour.
33. Which of the following is not a born digital document ?
(A) E-book.
(B) E-newspaper.
(C) Article from an online journal.
(D) Scanned copy of an article.
34. An OCR technology that recognizes a character from its structure and shape (i.e. angles, points, breaks, etc.) based on a set of rules is called :
(A) Template Matching. (B) Structural analysis.
(C) Feature Extraction. (D) Neural Networking.
35. The unit for measuring the speed of the transmission of the data is called :
(A) Baud. (B) Byte.
(C) FLOPS. (D) MOPS.
36. Against a search strategy, 70 documents were retrieved by an information retrieval system. Of which, 34 were found to be relevant. So the precision ratio is _____.
(A) 48.57. (B) 205.88.
(C) 67.67. (D) 89.23.
37. Trade discount admissible on books is _____.
(A) 15 %. (B) 20 %.
(C) 25 %. (D) 10 %.

Turn over

38. The electronic version of DDC ——— edition is named Dewey for Windows.
- (A) 19th. (B) 20th.
(C) 21st. (D) 22nd.
39. Sheaf form of library catalogue is also referred to as ——— form.
- (A) Card. (B) Ledger.
(C) Printed. (D) Loose-leaf.
40. The first edition of Encyclopedia Americana was published in ———.
- (A) 1920. (B) 1732.
(C) 1829. (D) 1817.
41. Indian Patents are published in ———.
- (A) Gazette of India, Part 1.
(B) Gazette of India, Part 2.
(C) Gazette of India, Part 3, Sec I.
(D) Gazette of India, Part 3, Sec II.
42. The Classification Index Card is used in ———.
- (A) Kardex System. (B) Three Card System.
(C) Ledger System. (D) Card System.
43. The relationship between two or more isolates within one and the same schedule of facet isolates is called ——— phase relation.
- (A) Inter subject. (B) Intra facet.
(C) Intra array. (D) None of the above.
44. The sampling technique suitable for a study on "Psychological Behaviour of Aids Patients in India" is :
- (A) Snowball. (B) Convenient.
(C) Cluster. (D) Multi-stage.
45. ——— is used for presentation of two variables.
- (A) Histogram.
(B) Frequency Polygon.
(C) Component Bar Diagram.
(D) Bar Diagram.

46. The value of Null Hypothesis is represented as :
- (A) 1 (one). (B) 2 (Two).
(C) 0 (Zero). (D) 3 (Three).
47. In an experimental research, a control group is :
- (A) Controlled by the Researcher.
(B) Controlled by the Respondents.
(C) Both (a) and (b).
(D) None of the above.
48. 'Prolegomena to Library Classification' by Dr. S.R. Ranganathan is an example of :
- (A) Experimental Research.
(B) Survey Research.
(C) Comparative Research.
(D) Applied Research.
49. Which of the following is NOT a part of bibliographic references ?
- (A) Author(s) name. (B) Title.
(C) Source. (D) Author Address.
50. A factorial design is one in which :
- (A) Only one independent variable is studied to determine its effect on the dependent variable.
(B) Only two independent variables are simultaneously studied to determine their independent and interactive effects on the dependent variable.
(C) Two or more independent variables are simultaneously studied to determine their independent and interactive effects on the dependent variable.
(D) Two dependent variables are studied to determine their interactive effects.

(10 × 5 = 50 marks)

Turn over

Part B

II. Attend *all* the questions in 500 words. Each question carries 10 marks :

- 51 Explain the relevance of Five Laws of Library Science in present day context along with their implications.
- 52 Elaborate the varieties of services that can be offered in academic libraries through mobile technology.
- 53 What is digital preservation ? Discuss its different approaches.
- 54 Discuss different layers of OSI-Reference model of communication with the help of a diagram.
- 55 Describe the major qualitative indicators employed in metric studies with examples.

(5 × 10 = 50 marks)