

Ph.D. ENTRANCE EXAMINATION, APRIL 2022**LIBRARY AND INFORMATION SCIENCE**

Time : Two Hours

Maximum : 100 Marks

*Answer all the questions in Part A and Part B.***Part A**

1. In which of the following models, feedback was considered as a central feature ?
(A) Shannon and Weaver. (B) Lasswell.
(C) George Gerbner. (D) Schramm.
2. Who described the knowledge spectrum as "Data, Information, Knowledge, and Wisdom can be viewed as part of a continuum with no clear boundaries between them" ?
(A) Belkin. (B) Debons.
(C) Brooks. (D) Machlup.
3. Who launched the National Mission on Libraries ?
(A) Smt. Pratibha Devisingh Patil. (B) Dr.A.P.J. Abdul Kalam.
(C) Shri Pranab Mukherjee. (D) Shri. K.R.Narayanan.
4. The term of copyright protection for literary work '*Lifetime of Author + 60 years*' is applicable to :
(A) India. (B) Canada.
(C) USA. (D) European Union.
5. Which is the software used for reference management in scholarly communication ?
(A) Grammarly. (B) Scrivener.
(C) Zotero. (D) Research Gate.
6. Which of the Five Laws of Library Science advocates 'Books for All' ?
(A) First. (B) Second.
(C) Third. (D) Fourth.

Turn over

7. _____ is the nodal agency to National Translation Mission of India.
- (A) C-DAC, Noida. (B) INFLIBNET, Ahmadabad.
(C) IIT Bombay. (D) CIIL, Mysore.
8. Delivery of Books and Newspapers Act was amended in the year :
- (A) 1953. (B) 1954.
(C) 1955. (D) 1956.
9. Who is the current president of CILIP Scotland ?
- (A) Paul J Corney. (B) Kate Robinson.
(C) Cleo Jones. (D) Lou Peck.
10. The first Ph.D. degree in library science was awarded by _____.
- (A) Delhi University. (B) Madras University.
(C) Banaras Hindu University. (D) Aligarh Muslim University.
11. Library catalogue is an example of :
- (A) Primary source of information. (B) Secondary source of information.
(C) Tertiary source of information. (D) None of the above.
12. Which of the following is NOT a grey literature ?
- (A) Thesis. (B) Journal.
(C) Dissertation. (D) Research report.
13. LISGateway.com is maintained by :
- (A) Delhi University. (B) Banaras Hindu University.
(C) Aligarh Muslim University. (D) Jawaharlal Nehru University.
14. Which among the following is NOT a citation database ?
- (A) SCOPUS. (B) Web of Science.
(C) Google Scholar. (D) PubMed.

15. *Clearing Houses* are an example of :
- (A) Human resource. (B) Institutional resource.
(C) Mass media. (D) Audio Visual media.
16. *Librarian chat* is a kind of :
- (A) Referral Service. (B) Current Awareness Service.
(C) Document Delivery Service. (D) Digital Reference Service.
17. _____ serves as the foundation for Web 3.0 since it fixes most of the issues that are problematic in Web 2.0.
- (A) Semantic web. (B) Block chain.
(C) 3D Graphics. (D) Artificial Intelligence.
18. _____ refers to files easily read by a computer called XML files that automatically update information.
- (A) DOL. (B) URL.
(C) URL. (D) RSS feed.
19. Which Government of India scheme focuses on the use of information technology ?
- (A) Make in India. (B) Skill India.
(C) Startup India. (D) Digital India.
20. The most commonly used intellectual property license for OER that permits free use and re-purposing is called :
- (A) Open Copyright. (B) Creative Commons.
(C) Public Domain. (D) Fair Use.
21. Open Discovery Initiative is a project of :
- (A) OCLC. (B) IFLA.
(C) Digital Library Federation. (D) D. NISO.
22. What is the minimum PHP version requirement to run VuFind 7.x (the latest stable release) :
- (A) PHP 7.0. (B) PHP 7.1.
(C) PHP 7.2. (D) PHP 7.4.

23. Which of the following competencies can be inculcated in/imparted to learners in dissertation work ?
- (i) Critical thinking skills.
 - (ii) Communication Skills.
 - (iii) Team working skills.
 - (iv) Research Skills.
- (A) (i), (ii), (iv). (B) (ii), (iii), (iv).
(C) (i), (ii), (iii), (iv). (D) (i), (iii), (ii).
24. The methodology used for measuring the impact of scholarly works and research published on the social media platforms is :
- (A) Webometrics. (B) Cybermetrics.
(C) Informetrics. (D) Altmetrics.
25. Joomla is based on which CMS ?
- (A) Drupal. (B) Moodle.
(C) Mambo. (D) Magento.
26. SWAYAM programme was launched by :
- (A) UGC. (B) MHRD.
(C) AICTE. (D) NCERT.
27. Intellectual Property Rights (IPRs) protect the use of information and ideas that are of :
- (A) Social value. (B) Moral value.
(C) Commercial value. (D) School kids.
28. FRBR stands for :
- (A) Functional Requirements of Bibliographic Records.
(B) Fractional Requirements of Bibliographic Records.
(C) Functional Requirements of British Records.
(D) Functional Requirements of Bibliographic Reports.

29. _____ enables authors to archive their own work in a website controlled by them, or their funder, or in an independent repository.
- (A) Closed Access. (B) Green Open Access.
(C) Gold Open Access. (D) Paid Access.
30. The merger of NISCAIR and NISTADS is renamed as :
- (A) NIScPR. (B) NIScADS.
(C) NIScTADS. (D) NISCADS.
31. The Principal Investigator of the National Virtual Library of India (NVLI) is :
- (A) Sam Pitroda. (B) Ramesh Pokhriyal.
(C) Uma Kanjilal. (D) Deepak Pental.
32. Which Creative Commons license allows users to build on, adapt and share onwards ?
- (A) CC-BY. (B) CC BY-SA.
(C) CC-BY-ND. (D) CC-BY-NC.
33. The use of active physical measures to prevent the further deterioration of an archive is referred to :
- (A) Archive. (B) Archiving.
(C) Conservation. (D) Preservation.
34. According to the research ethics, the respondents under study :
- (A) Should be informed of the purpose of research.
(B) Should be highly paid.
(C) Should be made to co-operate forcibly if required .
(D) All of the above.
35. The dpi suitable for preservation projects is :
- (A) 300. (B) 400.
(C) 500. (D) 600.

36. A method of image segmentation in digitization process is called :
(A) Threshold. (B) Bit Depth.
(C) Resolution. (D) Image Enhancement.
37. K_u band is primarily used for :
(A) Optical Communication. (B) Electro-magnetic Communication.
(C) Satellite Communication. (D) Internet.
38. Each device connected to a central point through cables in a network is _____.
(A) Star topology. (B) Bus topology.
(C) Hybrid topology. (D) Ring topology.
39. The Universal Decimal Classification was devised by Paul Otlet and Henri Fontaine taking _____ as its base.
(A) DDC. (B) CC.
(C) LC. (D) BC.
40. 'A Study on the University Library Services in East India' is an example of :
(A) Pure Research. (B) Survey Research.
(C) Diagnostic Research. (D) Action Research.
41. Universal Bibliographic Control (UBC) programme was sponsored by _____ in 1974.
(A) FID. (B) UNESCO.
(C) IFLA. (D) LC.
42. _____ developed Common Communication Format.
(A) FID. (B) IFLA.
(C) ILA. (D) UNESCO.
43. The National Library Calcutta was formerly known as :
(A) The Imperial Library. (B) The Indian Library.
(C) Ashutosh Mukherjee Library. (D) S.R.Ranganathan Library.

44. GMD in AACR-2R refers to :
- (A) General Material Description.
 - (B) General Material Designation.
 - (C) Geographical Material Description.
 - (D) General Monographic Description.
45. The output of SPSS can be in the form of :
- (A) Word documents.
 - (B) Excel Worksheets.
 - (C) Power Point Presentations.
 - (D) All of the above.
46. Which of the following variables is not relevant for a study on "Reading Behaviour of Housewives in Kerala" ?
- (A) Level of Education.
 - (B) No. of Children.
 - (C) Colour of the Skin.
 - (D) Age of the Respondent.
47. Which of the following formulae is used to determine the number of people to be included in the original sampling ?
- (A) $\text{Desired sample size} / \text{Desired sample size} + 1$.
 - (B) $\text{Proportion likely to respond} / \text{desired sample size}$.
 - (C) $\text{Proportion likely to respond} / \text{population size}$.
 - (D) $\text{Desired sample size} / \text{proportion likely to respond}$.
48. Largest sample size is required for :
- (A) Cluster sampling.
 - (B) Simple random sampling.
 - (C) Systematic sampling.
 - (D) Proportionate stratified sampling.
49. The second edition of CC was published in _____.
- (A) 1933.
 - (B) 1937.
 - (C) 1939.
 - (D) 1940.

50. PRECIS and POPSI are the examples of _____ indexing model.

- (A) Post-co-ordinate. (B) Pre-co-ordinate.
(C) Natural. (D) Free.

(50 × 1 = 50 marks)

Part B

Attend all the questions in 500 words.

Each question carries 10 marks.

51. Enumerate the prominent models of communication. Discuss in detail the models of Shannon and Weaver and Schramm w.r.t. their strengths and weaknesses.
52. What is a Patent ? Explain the steps in the process of filing a patent.
53. Trace the origin and development of International Standard Bibliographic Description.
54. Write an essay on SHERPA-ROMEO.
55. Explain how to design and develop a community information system.

(5 × 10 = 50 marks)