Schedule of Screening Test and Personal Interview (for qualifying candidates) and Instructions to the candidates for the post of Scientist-C (Library Science) advertised vide Advt. No. 01/2021

Sl. No.	Name of the Post, Details for Selection Procedure	Schedule (Reporting Time, Date of Screening Test/Interview)	Venue
1	**Scientist-C (LS)** **Selection Pattern :** Screening Test followed by interview (Top twelve candidates, in order of merit will be short-listed for interview) **Nos. of MCQ for Screening Test : 50** **Total Marks :** 50 **Duration of Screening Test :** 60 minutes	**Screening Test** Reporting Time : 9:00 AM Date : 30.10.2021 (Saturday) **Interview of shortlisted candidates** Reporting Time : 9:00 AM Date : 31.10.2021 (Sunday)	INFLIBNET Centre, Opp. DA-IICT & NIFT, INFOCITY, Gandhinagar : 382007, GUJARAT

Instruction to the Candidates:

1. Provisionally Eligible candidates are required to submit their missing/required documents /Certificates shown against their name, before appearing in Screening Test failing which they will not be allowed to appear in the screening test.

2. Only eligible and provisionally eligible candidates are allowed to download Admit Card using their Application Id and Password generated at the time of applying.

3. If any eligible/provisionally eligible candidate as per the updated list available on the website of the Centre, has not received the email intimation of Screening Test/interview may contact Centre on email: recruitment@inflibnet.ac.in immediately.

4. Indicative syllabus for question paper, selection procedure is uploaded on the website

5. Top twelve candidates, in order of merit of the Screening Test will be short-listed for interview. However, if the number of eligible candidates are less than twenty in such cases only interview will be conducted.

6. No interim correspondence will be entertained in this regards.

[Indicative Syllabus and weightage for Screening Test for the post of Scientist-C(LS)]

Sl No	Topics	Weightage in %
1	- Types of Libraries – Academic, Public and Special. - Library Legislation and Library Acts in Indian States; The Press and Registration of Books Act; - Laws of Library Science. - Professional Associations - National – ILA, IASLIC, IATLIS; International – IFLA, ALA, CILIP, ASLIB, SLA; Role of UGC, RRRLF and UNESCO in Promotion and Development of Libraries. - Library and Information Science Education in India - Library Extension Activities - Trends in Library and Information Science	5
2	- Data, information, Knowledge and Wisdom. - Information Life Cycle - Generation, Collection, Storage and Dissemination. - Information Science - Relationship with other subjects, Information Society and Knowledge Society. - Communication – Concept, Types, Theories, Models, Channels and Barriers; Trends in Scholarly communication. - IPR and Legal Issues - Categories, Conventions, Treaties, Laws. - Right to Information Act (RTI); Information Technology Act. - National Knowledge Commission; National Mission on Libraries	5
3	- Information Literacy - Areas, Standards, Types and Models; Trends in Information Literacy - Information Sources - Nature, Characteristics, Types and Formats. - Sources of Information - Primary, Secondary and Tertiary; Documentary and Non-Documentary. - Reference Sources - Bibliographical, Biographical, Educational, Language and Geographical. - Electronic Information Resources - Subject Gateways, Web Portals, Bulletin Boards Discussion Forums /Groups. - Databases: Bibliographic, Numeric, Full text, Multimedia; Open Access Databases. - Evaluation of Reference Sources and Web Resources. - Search and Discovery Services. - Library Resource Sharing and Library Consortia – National and International. - National Information Systems and Networks: NISCAIR, DESIDOC, SENDOC, ENVIS, INFLIBNET, DELNET, NICNET, ERNET, National Knowledge Network (NKN), Biotechnology Information System Network - International Information Systems and Networks: INIS, AGRIS, INSPEC, MEDLARS, BIOSIS, ERIC, Patent Information System (PIS), Biotechnology Information System (BIS).	15

4	- Type of Users - User Studies, User Education. - Community Information Services. - Reference Service – Concept and Types; Referral Services - Alerting Services - CAS, SDI, Inter Library Loan and Document Delivery. - Mobile based Library Services and Tools – Mobile OPAC, Mobile Databases, - Mobile Library Website, Library Apps, Mobile Library Instructions, Augmented Reality, SMS Alerts, Geo-Location, Reference Enquiry. - Web 2.0 and 3.0 - Library 2.0- Concept, Characteristics, Components; Instant Messaging, RSS Feeds, Podcasts, Vodcasts, Ask a Librarian - Collaborative Services- Social Networks, Academics Social Networks, Social Tagging, Social Bookmarking.	10
5	- Universe of Knowledge - Nature and Attributes; Modes of Formation of Subjects. - Knowledge Organisation - Classification -Theories, Canons, and Principles; - Simple Knowledge Organisation System (SKOS), Taxonomies, Folksonomy, Trends in Classification. - Mapping of Subjects in Library Classification Schemes – DDC, UDC and CC. - Knowledge Organisation: Cataloguing - Canons and Principles; Centralized and Co-operative Catalogue; Library Cataloguing Codes: CCC and AACR - II. - Standards of Bibliographic Record Formats and Description – ISBD, MARC 21, CCF, RDA, FRBR, Bibframe. - Standards for Bibliographic Information Interchange & Communication - ISO 2709, Z39.50, Z39.71. - Metadata Standards: Dublin Core; MARC21, METS, MODES, EAD. - Indexing Systems and Techniques: Assigned - Pre-coordinate; Post-Coordinate; Derived- Title-based; Vocabulary Control. - Abstracting – Types and Guidelines. - Information Retrieval System – Features, Components, Models and Evaluation. - Ontology – Tools (RDF, RDFS, Protege).	15

| 6 | • Computer Technology - Character Representation (ASCII, ISCII, Unicode);
• Computer Hardware, Software; Storage Devices; Input and Output Devices.
• Types of Software - System Software, Application Software.
• Telecommunication - Transmission Channels, Mode, and Media, ISDN, PSDN,
• Computer Networks - Topologies, Types of Networks – LAN, MAN, WAN.
• Internet - Web browsers, WWW, E-mail; Search Engines, Meta and Entity Search engines.
• Internet Protocols and Standards – HTTP, FTP, SMTP, TCP/IP, URI, URL.
• Hypertext, Hypermedia, Multimedia, Video conferencing, Virtual Reality.
• Cloud Computing
• Semantic Web, Linked Data, Big Data, Data Mining, Data Harvesting | 10 |
| 7 | • Library Automation – Areas, Planning, Selection of Hardware and Software,
• Implementation and Evaluation; Standards for Library Automation.
• Barcode, RFID, QR Code, Biometric, Smartcard: Features and Applications.
• Digitization – Planning, Selection of Materials, Hardware, Software, Process, Issues.
• Digital Library: Genesis, Characteristics, Types, Architecture; Standards; Formats and Protocols, DOI.
• Digital Preservation - Need, Purpose, Standards, Methods, Techniques, Projects (National and International)
• Digital Library Initiatives – National and International.
• Institutional Repositories - Need, Purpose, Types and Tools; Institutional Repositories in India; ROAR, DOAR, SHERPA-ROMEO.
• Content Management Systems – Architecture, Data Integration, CMS Software –
• Selection, Implementation and Evaluation. | 15 |

8	- Research - Types of Research – Basic and Applied, Interdisciplinary and Multidisciplinary. - Research Methods: Historical, Descriptive, Experimental and Delphi. - Research Design - Selection of Research Problem, Review of Literature; Formulation of Research Problem; Hypothesis – Formulation, Types and Testing; Sampling Techniques. - Methods of Data Collection - Data Analysis and Interpretation - Plagiarism: Concept and Types. - Statistical Packages – Spreadsheet, SPSS, Bibexcel, 'R' Statistics. - Research Report Writing and Citation Tools – Structure, Style, Contents, Guidelines; - Style Manuals; Online Citation Tools; Reference Management Tools; Evaluation of Research Report. - Metric Studies in LIS - Bibliometrics, Scientometric, Webometrics, Altmetrics; - Impact Factors – Journal, h-Index, g-Index, i10 Index. - Trends in Library and Information Science Research.	15
9	General Aptitude / Awareness/Knowledge about INFLIBNET	10

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