

**PH. D. PRE-REGISTRATION
QUALIFYING ENTRANCE EXAMINATION SYLLABUS**

LIBRARY AND INFORMATION SCIENCE

Unit-I

Data, Information, Knowledge and Wisdom - Information Life Cycle- Generation, Collection, Storage and Dissemination - Role of Information in Planning - Management, Socio-economic, Cultural, Educational and Technological Development - Information Science-Relationship with other subjects, Information Society and Knowledge Society - Communication-Concept, Types, Theories, Models, Channels and Barriers; Trends in Scholarly Communication - Information Industry-Generators, Providers and Intermediaries - IP and Legal Issues Plagiarism - Right to Information Act (RTI); Information Technology Act - National Knowledge Commission; National Mission on Libraries - Historical Development of Libraries in India - Types of Libraries - Library Legislation and Library Acts in Indian States - Law of Library Science - Library and Information Science Profession-Professional Associations - Information Literacy.

Unit-II

Information Sources-Primary, Secondary and Tertiary; Documentary and Non-Documentary. Primary Information Sources (Print and Electronic)- Journals, Conference Proceedings, Patents, Standards, Theses & Dissertations, Trade Literature - Secondary Information Sources (Print and Electronic)- Dictionaries, Encyclopedias, Bibliographies, Indexing & Abstracting, Statistical sources, Handbooks and Manuals - Tertiary Information Sources (Print and Electronic)- Databases: Bibliographic, Numeric, Fulltext, Multimedia; Open Access Databases - Institutional and Human Resources - Evaluation of Reference Sources and Web Resources - Community Information Services - Reference Service - Alerting Services-CAS, SDI, Inter Library Loan and Document Delivery - Collaborative Services-Social Networks.

Unit-III

Universe of Knowledge- Knowledge Organisation - Classification - Theories, Canons, and Principles; Simple Knowledge Organisation System (SKOS), Taxonomies, Folksonomy, Trends in Classification - Mapping of Subjects in Library Classification Schemes - 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 - Standards for Bibliographic Information Interchange & Communication - Metadata Standards - Indexing Systems and Techniques - Abstracting - Information Retrieval System - National Information Systems and Networks - International Information Systems and Networks - Library Resource Sharing and Library Consortia - National and International.

Unit-IV

Computer Technology-Types of Software-Programming Languages-Telecommunication- Wireless Communication-Computer Networks-Internet-Search engines - Internet Protocols and Standards-Library Automation-Digital Library - Digital Preservation- Digital Library Initiatives - National and International - Institutional Repositories- Content Management Systems-Application of Artificial Intelligence - Ontology- Tools (RDF, RDFS, Potege); Semantic Web, Linked Data, Big Data, Data Mining, Data Harvesting - Library and Information Centers Management-Human Resource Management -Financial

Management in Libraries - Project Management-Total Quality Management (TQM)-
Management Information System (MIS) - Knowledge Management-
Marketing of Library Products and Services.

Unit- V

Research - Research Methods - Research Design - Selection of Research Problem - Methods of
Data Collection - Data Analysis and Interpretation-
Presentation of Data; Statistical Methods/Techniques - Statistical Packages-
Spreadsheet, SPSS, Bibexcel, 'R' Statistics - Research Report Writing and Citation Tools -
Structure, Style, Contents, Guidelines; Style Manuals; Online Citation Tools; Reference Style
Management Tools; Anti-plagiarism Tools; Evaluation of Research Report - Metric Studies in LIS
- Bibliometrics, Scientometric, Webometrics, Altmetrics - Impact Factors-
Journal, Institutional and Authors; h-Index, g-Index, i10 Index -
Trends in Library and Information Science Research.

Recommended Books

- Dodiya, N., Dodiya, N., & Malviya, N (2015). *10 Pillars of Library & Information Science* [English]. EssEss Publications.
- Kumar, A. (2022). *Cracking LIS Examinations: Subjective and Objective Approach (For All Competitive and Entrance Examinations in Library and Information Science)* (First) [English]. EssEss Publications.
- Kothari, & Garg, G. (2019). *Research Methodology, Methods and Techniques* (4th ed.). New Age International Publishers.
- Singh, G. (2013). *Information Sources, Services and Systems*. PHI Learning.
- Kishore, A. (2022). *A Conceptual approach to library and information science A complete self study guide* (3rd ed.) [English]. AKB Publication.
- Singh, G., & Sharma, M. (2016). *Glossary of Library Science and Information Technology Terms*. EssEss Publication.
- Lal, & Kumar. (2018). *B. LIB. Guide*. EssEss Publications.
- Thakur, S. (2012). *UGC NET/SET for JRF and Eligibility Test for Lectureship Library & Information science*.
- Thakur. (2023). *7. Trueman's NTA UGC NET Library And Information Science*. Invincible Publisher & Marketeers.
- RPH Editorial Board. (2023). *Library Science* (6th ed.). Ramesh Publishing House.
- T, N., & Nasirudheen, T. P. O. (2012). *A Comprehensive Course in Library and Information Science: (objective Type Questions for UGC-NET JRF, SLET, PSC, UPSC and Other Competitive Examinations)*. EssEss Publication.
- Khandelwal, K., Sharma, N., Sultan, F., & Raj, A. (2022). *NTA UGC NET/JRF/SET Paper 2 Library & Information Science*. Arihant Publications.