

UGC NET Syllabus for Library & Information Science

1. Unit I – Information, Communication and Society: Data, information, knowledge and wisdom; information life cycle; role of information in development; information and knowledge society; communication theories, models, channels and barriers; scholarly communication; information industry; intellectual property rights; plagiarism; RTI and IT Act; National Knowledge Commission and National Mission on Libraries.
2. Unit II – Library, Information and Society: Historical development of libraries in India; committees and commissions; types of libraries; library legislation; laws of library science; librarianship as a profession; professional ethics and competencies; national and international professional associations; LIS education; public relations and extension activities; user studies and education; and information literacy.
3. Unit III – Information Sources, Systems and Services: Nature, characteristics, types and formats of information sources; primary, secondary and tertiary sources; documentary and non-documentary sources; reference and bibliographical sources; electronic information resources; databases; information systems and networks; mobile-based library services; Web 2.0 and Web 3.0; collaborative services; discovery services; national and international information networks; resource sharing and library consortia.
4. Unit IV – Information Products and Services: Community information services; reference and referral services; CAS and SDI; inter-library loan and document delivery; mobile library services; Web-based library services; social networking and social tagging; information networks and resource-sharing mechanisms.
5. Unit V – Organization of Knowledge: Universe of knowledge and modes of subject formation; knowledge organization; library classification; major classification schemes such as DDC, UDC and Colon Classification; cataloguing principles and standards; bibliographic records; MARC and related standards; indexing; controlled vocabularies; thesauri; information retrieval; search strategies; Boolean operators; databases; and knowledge management.
6. Unit VI – Management of Library and Information Centres: Principles and functions of management; planning and organization; decision-making; systems analysis; collection development; acquisition and maintenance; human-resource management; manpower planning; recruitment, training and performance evaluation; financial management and budgeting; cost-benefit analysis; PERT and CPM; library buildings and equipment; performance evaluation; marketing of information products and services; and Total Quality Management.

7. Unit VII – Information and Communication Technology: Computer technology, hardware and software; character representation; programming languages; telecommunications; wireless communication; computer networks; Internet and search engines; Internet protocols and standards; hypermedia and multimedia; and information and network security.
8. Unit VIII – Library Automation and Digital Libraries: Library automation and its planning, implementation and evaluation; automation standards; barcode, RFID, QR codes and related technologies; digitization; digital libraries and their architecture; digital preservation; institutional repositories; electronic information management; and emerging technologies such as artificial intelligence, cloud computing, big data, data mining, ontologies and the Semantic Web.
9. Unit IX – Research Methods and Statistical Techniques: Research concepts, purposes, scope and ethics; basic, applied, interdisciplinary and multidisciplinary research; historical, descriptive, experimental and Delphi methods; research design; literature review; research problems and hypotheses; sampling; data-collection methods; data analysis and interpretation; statistical techniques and software; research-report writing; citation and reference-management tools; plagiarism detection; bibliometrics, scientometrics, webometrics and altmetrics; impact factors and research indicators such as h-index, g-index and i10-index; and emerging trends in LIS research.
10. Unit X – Information Systems and Services: Academic, public and special library and information systems; health-science libraries; corporate libraries; agricultural libraries; engineering and technological libraries; archives, museums and oriental libraries; community information systems; and information services for persons with disabilities, children and women.