

JSPM University Pune

Syllabus for Ph.D. Research Program Entrance

Test (RPET) 2023

Library Science

Unit 1: Foundation of Librarianship

- History of Libraries
- Laws of Library Science: Dr. S.R. Ranganathan,
- Principles of Donald Urquhart
- Information: Contributions of Belkin, Robertson, Derwin, DIKW model
- Information communication-channels, barriers
- Resource Sharing
- IPR
- Public libraries, legislation, NKC, library and information associations, professionalism

Unit 2: Information Sources and services

- Primary, secondary and tertiary
- Electronic information sources, databases: features, pricing models, open access resources, institutional repositories, usage data, consortia, evaluation of electronic information sources
- CAS, SDI, Referral, Reader's advisory service, digital reference service

Unit 3: Knowledge Organization

- Universe of Subjects: structure and attributes, modes of formation of subjects
- Classification schemes: history, development, current status
- Bibliographic record formats, AACR2R, MARC21, FRBR, RDA, Metadata
- Indexing system, search strategies, Information Retrieval and models
- vocabulary control: thesaurus, taxonomies, ontologies, folksonomies

Unit 4: Management of Libraries

- Collection development: selection, acquisition, evaluation, weeding out
- History of management thoughts
- Financial management, budgeting, cost-benefit and cost effectiveness analysis
- Human resource management
- TQM, PERT/CPM, Marketing of library and information services/products, reengineering, six sigma

Unit 5: Application of Information Technology in Libraries

- Library Automation,
- Networking, Components of Network, Internet Protocols
- OSI Model
- Digital libraries, Metadata, Metadata Standards etc.
- Software: Library management software, Software for institutional repositories,
- Barcode, RFID, cloud computing,
- OPAC, discovery services/federated search services, Internet, internet security,
- Web 2.0 and its Components, Application of web 2.0 tools in Libraries
- Cloud Computing, MOOC
- New Trends in IT