

Ph.D (2021) 421

Department of Library and Information Science
Dr. Harsingh Gour Vishwavidyalaya (Central University) Sagar (M.P.)
Admission Entrance Test (session 2021-22) Library and Information Science
[Syllabus for Ph D Programme of Study]

Part A: Research Methodology

Research : Concept, Purpose, Functions, Scope and Ethics; Types of Research
Basic, Applied, Interdisciplinary and Multidisciplinary.

Research Methods: Historical, Descriptive, Case Study, Survey, Delphi, Comparative
and Experimental.

Research Design: Selection of Research Problem, Review of Literature; Formulation
of Research Problem; Hypothesis- Formulation, Types and Testing; Sampling
Techniques.

Methods of Data Collection: Questionnaire, Interview, Observation, Schedule, Library
Records.

Data Analysis and Interpretation: Presentation of Data; Statistical Methods/
Techniques.

Statistical Packages: Spreadsheet, MS Excel SPSS (Statistical Package for Social
Sciences).

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, Scientometrics, Infometrics, Webometrics,
Altmetrics.

Impact Factors- Journal, Institutional and Authors, h-Index, g-Index, i10-Index.

Trends in Library and Information Science Research.

Part B: Library and Information Science

Information, Information Science, Information Society, Information as Resource/
Commodity, Information Transfer Cycle-Generation, Collection, Storage and
Dissemination, Role of information in Planning, Management, Socio-economic
Development, Plagiarism: Concept and Types, Intellectual Property Rights- Concept,
Copyright, Censorship-Print and Non Print Media, Library and Information Policy at
National level, National Knowledge Commission, National Mission on Libraries.

Types of Libraries- Academic, Public, Special and National, Types of Users- User
Studies, User Education, Information Literacy- Areas, Standards, Types and Models,
Trends in Information Literacy, Laws of Library Science, Library Resource Sharing and
Network, Library Movement and Library Legislation in India, Library and Information
Science Education in India, Library and Information Profession in India, Library
Associations in India and Abroad.

Source of Information-Primary, Secondary and Tertiary- Documentary and Non Documentary, Reference Sources- Encyclopedias, Dictionaries, Geographical Sources, Biographical Sources Bibliographies, Union Catalogs, Indexing and abstracting Journals (Salient features and evaluation), Databases-Bibliographic, Numeric, Multimedia, Open Access Databases and Full Text, Electronic Information Resources- Subject Gateways, Web Portals, Bulletin Boards, Discussion Forums/Groups.

Reference and Information Services, Referral Services, Bibliographic Service, Indexing and Abstracting Service, CAS, SDI, Online Service, Translation Service, Reprographic Services, Community Information Services, Web-Scale Discovery Services, Collaborative Services- Social Networks, Academic Social Networks, Social Tagging, Social Bookmarking, Web 2.0 and 3.0- Library 2.0- Concept, Characteristics, Components, RSS Feeds, Podcasts, Ask a Librarian.

Universe of Knowledge- Nature and Attributes; Modes of Formation of Subjects, Organization of Information/Knowledge, Library Classification- Meaning and Definitions, Library Classification-Canons and Principles, Library Classification Schemes- DDC, UDC, CC, Modes of Formation of Subjects, Library Cataloguing-Meaning and Definitions, Library Catalogue Codes CCC and AACRII, Standard for Bibliographic Record Formats and Description- ISBD, MARC 21, CCF, RDA, FRBR, Bibframe, Knowledge Management- Tools, Components and Architecture.

Management - Principles, Functions and School of Thought, Planning, Decision Making, Human Resource Management- Manpower Planning, Job Analysis, Job Description, Selection, Financial Management, Resource Generation, Types of Budgeting, Cost and Cost Benefit Analysis, Project Management- SWOT, PEST, PERT/CPM, Management Information System (MIS), MBO, Change Management, Disaster Management, Crisis Management, Marketing of Library Products and Services- Plan, Strategies, Mix Segmentation, Management Consultancy.

Information and Communication technology - Components, Impact of ICT on society; Computer-Hardware, Software, Storage Devices, Input / Output Devices, Telecommunication transmission Media, Wireless Communication, FAX, e-mail, Teleconference, Networking- types, Hypermedia and Hypertext, Hypertext, Hypermedia, Multimedia, Virtual Reality, Augmented Technologies, Network Security, Cryptographic Techniques, Intrusion Detection System, Digital Library, Virtual Library, Hybrid Library.

Library Automation, Areas of Library Automation, Planning Library Automation, Hardware and Software Selection for Automation, OPAC, Networks, Internet, Components of Internet, Internet Services National and International Information Systems, NISSAT, NASSDOC, INSDOC, DESIDOC, Barcode, RFID, QR Code, Biometric, Content Management Systems- Data Integration, CMS Software-Selection and Evaluation.

