

BHARATI VIDYAPEETH  
(DEEMED TO BE UNIVERSITY), PUNE, INDIA  
PhD Entrance Test – 2022  
**SECTION-II: Library & Information Science - 50 Marks**

• **UNIT -I- Foundation of Library & Information Science, Information Sources Services Systems**

- LIS Education in India
- LIS Profession
- Library & Information Services
- Information, Information Science, Information Society
- Various sources of Information
- Information as a Resource
- Information Transfer Cycle-Generation, Storage and Dissemination, Commodity
- Role of Information in Planning, Management, Socio-Economics
- Development, Technology transfer
- Communication Channels, Barriers. Intellectual Property Rights- Concept
- Copyright, Censorship- Print and Non Print Media Intellectual property rights Patents
- Library and Information Policy at the National level
- User Studies: Importance, Objectives and Types Planning
- User Studies and Information Seeking Behaviour Information
- Needs of Users Information Seeking Behaviour
- User Survey Methods of User Service,
- National and International Information Systems, NISSAT, NASSDOC, INSDOC,

• **UNIT- II: -Knowledge Organization and Document Description**

- Organization of Information/Knowledge, Meaning and Definitions of Library Classification,
- Library Classification-Canons and Principles,
- Library Classification Schemes- DDC, UDC,CC,
- Library Cataloguing-Meaning and Definitions, Library Catalogue Codes- CCC and AACRII,
- Bibliographic Records- International Standards- ISBD, MARC, UNIMARK, and CCF,

• **UNIT – III:- Resource Sharing, Library Networking & Consortia**

- Resource Sharing, Web Resources
- Library Networks and Library Consortia Programmes and Activities of INFLIBNET and DELNET
- CSIR E-Journals Consortium,
- UGC-INFONET Digital Library Consortium
- INDEST and other consortiums etc.

• **UNIT–IV: -Emerging Technologies in LIS**

- Emerging Technologies in Libraries RSS Feeds Technology
- Libraries Library Security Technology: RFID, Barcode, Smart Card and CCTV, etc.
- Functional Requirements for Bibliographic Records (FRBR) Digital Content Management System Federated Search and Multimedia Databases Search Protocols:
- Z39.50 Standard for Retrieval and OAI-PMH Artificial Intelligence and Libraries Expert Systems in Libraries Electronic Resources
- Sound Recordings Motion Pictures Video Recordings Computer Files Video Conferencing and Audio Conferencing
- Library Automation, Areas of Library Automation, Planning Library Automation, Hardware and Software Selection for Automation
- Resource Discovery Tools/Services.

- **UNIT-V:- Digital Library**

- Definition, Objectives, Characteristics and Development- Digitalization Process:
- Digital Library Packages: GSDL, DSpace, Green Stone, E-print, etc.
- Collections: E-Books, E-Journals, E- Theses-E-Newspapers, E-Magazines, E- Dictionaries, Databases: CD & Online etc, Online Bookshops-Digital Preservation, Issues and Solutions.
- Web Browsers: Definition, Features-Internet Explorer, Mozilla Firefox, Google Chrome-
- Search Engines: Definition, Features-Google, Yahoo, Altavista.
- Search Techniques and Information Retrieval Man and Machine Retrieval System
- Search Strategies: Boolean Operations, Proximity Search, Heuristic Search, Navigational Search, etc.
- Internet Searching and Meta Data Search Engines & Data Mining,
- Data Harvesting and Semantic Web Knowledge Management Retrieval

- **UNIT –VI- Library Management**

- Management- Principles, Functions, School of Thoughts
- Decision Making
- Collection Development-Books, Serials, Non-book Material- Selection, Acquisition, Management
- Human Resource Management
- Financial Management – Resource Generation, Cost – Benefit analysis, PERT, CPM
- Performance Evaluation of Libraries / Information Centers and Services
- Marketing of Information Product and Services
- Total Quality Management (TQM)
- Performance Evaluation and Measurement
- Evaluation of Library Services & Products
- SWOT Analysis
- Re-Engineering of Library Services
- Out Sourcing
- Six Sigma
- Brain Storming
- Mind Mapping & Other Recent Techniques
- Techniques & Methods
- New Techniques in Library Management
- Role of Library Associations
- Impact of Management Consultancy on Librarianship

- **UNIT–VII: Public, Academic & Special Libraries**

- Public Libraries, Objectives, Functions, History & Development with Special Reference to India, Role of Public Libraries in Society.
- Library Movement and Library Legislation in India
- Agencies and their Role in Promotion and Development of Public Libraries in India
- Academic Libraries and their Development Objectives and Functions, History and Development
- Role of UGC in growth and Development of academic libraries and information centres in institutions of higher education in India
- Special Libraries Role and responsibilities
- Information Literacy

- **REFERENCES BOOKS:**

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