

SYLLABUS FOR PhD ENTRANCE TEST

LIBRARY AND INFORMATION SCIENCE

UNIT I

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, Intellectual Property Rights- Concept, Copyright, Censorship-Print and Non Print Media, Library and Information Policy at National level.

UNIT II

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.

UNIT III

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 and Full Text - Evaluation.

UNIT IV

Reference and Information Services, Referral Services, Bibliographic Service, Indexing and Abstracting Service, CAS, SDI, Online Service, Translation Service, Reprographic Services.

UNIT V

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, Bibliographic Records- International Standards- ISBD, MARC and CCF, Knowledge Management.

UNIT VI

Management - Principles, Functions and School of Thought, Planning, Organizational Structure, Decision Making; Human Resource Management- Manpower Planning, Job Analysis, Job Description, Selection; Financial Management, Resource Generation, Types of Budgeting, Cost and Cost Benefit Analysis.

UNIT VII

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.

UNIT VIII


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.

UNIT IX

Types of Research (Basic, Applied, Interdisciplinary), Research Design, Scientific Method, Hypothesis, Data Collection, Sampling, Methods of Research (Historical, Descriptive, Case Study, Survey, Comparative and Experimental), Statistical Methods, Data Analysis, Report Writing, Research Methods in Library and Information Science and Services, Bibliometrics.

UNIT X

Types of Libraries - Objectives, Structures and Functions, Digital Libraries & Virtual Libraries, Types of Users, User Studies, User Education, Role of UGC in the Growth and Development of Libraries and Information Centers in Institutes of Higher Education in India,


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