UNIRAJ MPAT-2016
Paper-II: Syllabus for Pre-Ph.D. Entrance Examination in Library and Information science
Section – A

Unit-I

Types of Libraries :National , Public, Academies, and Special –Objectives, structure and Functions

Concept: Information, Information science, Information Society.

Information transfer cycle-generation, collection, Storage and Dissemination.

Role of information in Planning, Management and Socio-economic development.

Communication:-Channels and Barriers.

Intellectual property Rights: Concept, Copyright, Censorship-Print and non-Print media.

Laws of library Science

Library resources Sharing and Networking

Library Movement and Library legislation in India

Library Extension Services

Library and Information science education in India

Library and information profession

Library Associations: ILA, IASLIC, IATLIS, LA (UK), ASLIB, SLA and ALA

Library association organization at international level: FID, IFLA and UNESCO

Role of UGC in the growth and development of Libraries and information centers in institutions of higher education in India

Role of Raja Ram Mohan Ray Library Foundation (RRLF)

Unit-II

Organization of knowledge/information

Modes of information of subjects

Library classification: Canons and Principles

Library classification Schemes: DDC, UDC, ad CC

Library Cataloguing: Canons and Principles

Library cataloguing codes: CCC and AACR-II

Bibliography records: Internationals Standards-ISBD, MARC and CCF

Indexing systems: Pre-Co-ordinate and Post-Coordinate

Vocabulary control-Thesaurus, lists of Subjects Headings

Database-Search Strategies, Boolean Operators

Knowledge Management

HEAD
Deptt. or Library & Information Science
University of Rajasthan, JAIPUR

Unit-III

Management-Principles, Functional, School of Thought

Planning, Organisational Structure

Decision-making

System study-Analysis, evaluation and design

Collection Development- Books & Serials, non-book material, Selection, Acquisition and Maintenance.

Human resources Management-Manpower, planning, job analysis, Job description, selection, recruitment, Motivation, Training and development, Staff Manual, Leadership and performance evaluation

Financial Management-resources generation, types of Budgeting, Cost and Cost-Benefit analysis

PERT, CPM

Library Buildings and equipments

Performance evaluation of libraries./information centers and services

Marketing of information product and services

Total quality management (TQM)

Unit-IV

Source of information: Primary, secondary and tertiary, Documentary and non-documentary

References Sources: Encyclopedias, Dictionaries, Geographical Sources, Biographical Sources, Year Book/ Almanacs, Directories, and Hand books, Statistical (salient features and evaluation)

Bibliographical Sources-bibliographies, Union, Catalogue, indexing and Abstracting, Journal (salient features and evaluation)

E-Documents, e-Books and E-Journals

Database-Bibliography, Numeric and full text evaluation

Reference and information services, Referral services

Types of Users, Users Studies, Users education

Bibliography services, Indexing ad Abstracting services, CAS, SDI, Digital services, trend report
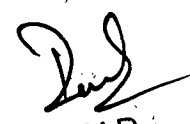
Online Services

Translation Services

Reprographic Services

National And international information system-NISSAT, NASSDOC, NISCAIR, DESIDOC, INIS, AGRIS, MEDLARS

National And international information system-NISSAT, NASSDOC, NISCAIR, DESIDOC, INIS, AGRIS, MEDLARS

Section - C

Unit-V

Information technology-Components, impact of IT on Society

Computers -hardware, Software, Storage devices Input/Output devices

Communication and telecommunication: Switching systems, Bandwidth, Multiplexing, Modulation protocols, Wireless communication, Fax, E-Mails, Video conferencing, Bulletin Board services, Videotext, Voice Mail

Networking: Concepts, Topologies, Types-LAN, MAN, and WAN

Electronic, Digital Libraries and Virtual Libraries

Hypertext, Hypermedia ad multimedia

Integrated Services Digital Network (ISDN), open Systems, Interconnection (OSI)

Library Automation -Areas of automation, planning, Hardware and Software selection, Library software, OPAC

Networks-ERNET, NICNET, DELNET, INFLIBNET

Internet: Components, Services, Browsing-Web browser, Search Engine, Meta-Data, Digital Object Identifies (DOI)

Unit-VI

Research design and methodology

Types of Research -Basic, Applied, Interdisciplinary

Research Design: Hypothesis, Data collections, Sampling and Questionnaires,

Methods of Research: Scientific, Historical, Case Study, Survey, Comparative, and experimental.
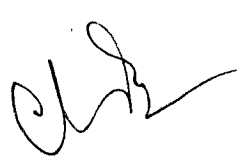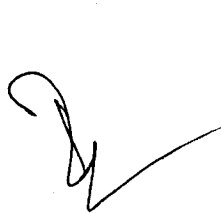
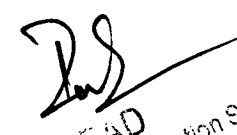Presentation of data: Classification, Tabulation, Diagrams and Graphs.

Variables-Concepts, Types, Relationship between various variables

Statistical Methods, Data Analysis and Report Writing

Research Methods in library and Information Science and Services

Bibliometrics.