

**SARDAR PATEL UNIVERSITY
VALLABH VIDYANAGAR
DEPARTMENT OF LIBRARY & INFORMATION SCIENCE**



**SYLLABUS EFFECTIVE FROM: 2017-18
Programme & Subject: MLISc (M.Lib. & Inf. Sc.)
(Full Time) - Semester: II**

Paper Code: PA02CLIB21		Total Credit: 5
Title of Paper: Information Storage & Retrieval - Theory		
Unit	Description in detail	Weightage (%)
I	Cataloging & Subject Indexing: Principles of Subject Cataloguing: Assigning Subject Heading Using Library of Congress Subject Heading & Sears List of Subject Heading Etc. Pre-& Post Co-Ordinate Indexing & Citation Indexing	25
II	Indexing Languages & Vocabulary Control: Indexing Languages: Types & Characteristics Vocabulary Control: Tools of Vocabulary Control Structure & Construction of an IR Thesaurus, Design and Development of IR Thesaurus Trends In Indexing Assigned Indexing Practice Derived Indexing Practice Formulation of Search Strategy Search Engines Federated Search Aggregators Subject Gateways	25
III	Information Retrieval: IR Models, Basic Models, Models Based On Theory, Tools And Recent Models; Search Strategies: Evaluation of Information Retrieval Systems; Trends In IR Models	25
IV	Abstract & Abstracting: Concept, Purpose & Its Usefulness: Characteristics of Good Abstract Types Abstracting Procedure Standards & Guidelines For Preparing Abstract Automatic Abstracting	25

Basic Text & Reference Books:-

- Foskett (AC). The Subject Approach to Information. 4th Ed. London: Bingley, 1982.
- Chowdhary (GG). Introduction to Modern Information Retrieval. 2nd Ed. London: Facet Publishing, 2003.
- Gopinath (MA). Construction of Depth Version of Classification: A Manual. New Delhi. Wiley Eastern Limited, 1986.
- Gorman (GE) Ed. Meta Data Application for Management, London, Facet Publishing, 2003.
- Harter (Stephen P.). Online Information Retrieval: Concept, Principles and Techniques, Orlando, Academic Press, 1978.
- Hepas (ITS). Information Retrieval: Computational and Theoretical Aspects. New York, Academic Press. 1978.
- Houghton (Bernard) and Convey (John). Online Information Retrieval Systems: An Introductory Manual to Principles and Practices. 2nd Ed. London Clive Bingley, 1984.
- Houghton (Bernad) Ed. Computer Based Information Retrieval Systems. London, Clive Bingley, 1968.
- Atchison (Jean) and Gilchrist (Alan). Thesaurus Construction: A Practical Manual. London: Aslib. 1972.
- Lancaster (F Wilfrid). Information Retrieval Systems: Characteristics, Testing and Evaluation. 2nd Ed. New York: Wiley, 1979.
- Ranganathan (S R). Prolegomena to Library Classification V1, Bangalore, Sarda Ranganathan Endowment for Library Science, 1967.

- Ravichandra Rao (I K). Library Automation DRTC, Refresher Seminar (14) 1983.
- Rowley (Jennifer E). Abstracting and Indexing. Aldershot: Gower, 1997.
- Salton (G) Automatic Information Organisation and Retrieval, 1968.
- Seetaram (S). Information Consolidation and Repackaging. Y. K. Publishers.
- Simmons (P) and Hopkins (A). CCF: The Common Communication Format. Paris: UNESCO, 1984.
- Stokes (Adrian). Concise Encyclopedia of Information Technology. 3rd Ed. Hants Wild Weed, 1986.
- UNESCO. CCF. Paris: Unesco. 1988.
- Vickery (B C). Techniques of Information Retrieval. London: Butterworths, 1970.
- Vickery (B C). Information Systems; 1973.

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(Full Time) - Semester: II

Syllabus with Effect from: June - 2017/2018

Paper Code: PA02CLIB22		Total Credit: 2
Title of Paper: Information Storage & Retrieval - Practical		
Unit	Description in detail	Weightage (%)
	Preparation of Abstracts (50%) Preparation of Index (50%)	100

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Programme & Subject: MLISc (M.Lib. & Inf. Sc.)

Semester: II

Syllabus with effect from: 2017-2018

Paper Code: PA02CLIB23		Total Credit: 5
Title of Paper: Research Methodology & Statistical Techniques		
Unit	Description in detail	Weightage (%)
I	Research: Concept, Meaning and Process of Research Types of Research-Fundamental and Applied including interdisciplinary and Multi-disciplinary approach. Research and development of scholarship. Trends in LIS Research	20%
II	Research Design: Conceptualization and operationalisation Types of research design. Identification and formulation of problem. Hypothesis: nominal and operational definition. Designing research proposal. Ethical aspects of research. Literature review	20%
III	Research Methods & Techniques: Scientific methods Historical methods Descriptive methods Survey methods and case study methods. Experimental methods and Delphi methods. Data collection techniques Questionnaire Interview Observation schedules	20%
IV	Data analysis and Interpretation Scaling and Measurements Descriptive static-measures of central tendency mean, mode and median Classification and tabulation Measurement of dispersion. Variance, and covariance Standard deviation Graphical presentation: Bar diagram. Line graph, Histo grams, Pie-chart. Testing of Hypothesis : Z-T test, Chi-square test Use of IT in Data Analysis: SPSS[Overview]	20%
V	Research Reporting Synopsis Structure, style, concepts Guideline for research reporting Style manuals: Chicago-MLA-APA etc. Citation & methods of Research evaluation. Plagiarism, Impact Factor, h-index	20%

Basic Text & Reference Books:- Busha (Charles H) and Harter (Stephen P). Research Methods in Librarianship: Techniques and Interpretation. New York: Academic Press, 1980.

- Busha (Charles H). "Research Methods" In Encyclopedia of Library and Information Science.Vol.25, 254-293; Kent, Allen, Harold And Daily, Jay Sd. New York: Marcel Dekker.
- Gopal (M H). An Introduction to Research Procedure In Social Science Bombay: Asia 1964.
- Grogan (D T). Science and Technology and Information to Literature.
- Goode (William J) and Hatt (Paul K). Methods in Social Research. New York, Mcgraw Hill, 1952.
- Krishan Kumar. Research Methods in Library and Information Science, New Delhi Vikas;1992.
- Marurice (B. Line). Library Surveys: An Introduction to the Use, Planning Procedure and Presentation of Surveys. 2nd Ed. London: Bingley, 1982.
- Ravichandara Rao (I K). Qualitative Methods for Library and Information Science. New Delhi, Wiley Eastern. 1985.
- Seetaram (S). Current Research in Library and Information Science. Y.K.Puwishers.
- Slmon (JI). Basic Research Methods in Social Science: The Art of Empirical Investigation, 1989.
- Simpson (Is). Basic Statistics for Librarians, 1988.
- Stevens (Rolland E). Research Methods in Librarianship, London, Bingley, 1971.
- Warb (Patricia Layzell) Ed. Introductory Guide to Research in Library and Information Studies in the UK London Library Association, 1975.

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Programme & Subject: MLISc (M.Lib. & Inf. Sc.)

Semester: II

Syllabus with effect from: 2017-2018

Paper Code: PA02CLIB24		Total Credit: 6
Title of Paper: Dissertation / Digitization/ Project		
Unit	Description in detail	Weightage (%)
	Dissertation / Digitization/ Project	100

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Programme & Subject: MLISc (M.Lib. & Inf. Sc.)

Semester: II

Syllabus with effect from: 2017-2018

Paper Code: PA02ELIB21		Total Credit: 5
Title of Paper: Information Technology (Theory)		
Unit	Description in detail	Weightage (%)
I	Database&Database Management System Meta data Data Mining Data Warehousing World Wide Web Consortium	25%
II	Electronic / Digital Information: Meaning and Concept Digitization : Concept, Procedures and Problems Input devices : OCR, Scanners Formats : JPEG, GIF/BMP, Audio Formats MPEG, MP3, WAV E - Documents : Concept of E - Books and E – Journals Impact of Libraries and Information Centers and Users	25%
III	Communication : An overview of Tools and Techniques E-Mail, Videotext, Tele Conferencing, Video Conferencing, VOIP [Voice Over IP], Hyper Media, Bulletin Board Service Markup Languages : HTML, XML, DHTML, SGML Protocols: Definition, Concept, Types: General, TCP/IP, OSI, SMTP, Telnet, FTP, HTTP, and Z39.50.	25%
IV	Internet Communication: Internet as a Communication Tool, Facilities for Communication Internet Connectivity: Dial up, Leased, ISDN, Digital Subscriber Lines (DSL) Data Security: Concept, Need, Purpose Virus - Definition, Effect Security methods: Firewall, Anti-Virus Software SPAM Web 2.0, Lib 2.0 : Overview	25%

Basic Text & Reference Books:-

- Alberico (Ralph) and Micco (Mary). Expert Systems for Reference Afld Information Retrieval. West Pert: Meckler, 1990.
- Bandhyopadhyay (S). Information Technology for Growth and Prosperity. New Delhi: Tmh, 1994.
- Basandra (Suresh K). Computers Today. New Delhi: Galgotia, 2002.
- Black (U). Emerging Communication Technologies. New Delhi: Phi, 1994.
- Botto (Francis). Multimedia, Cd-Rom & Compact Else: A Guide for Users and Developers. New Delhi: Galgotia, 1993.
- Bradley (Phil). Getting and Staying Noticed on the Web. London: Facet 2002.
- Bradley (Phil). The Advance Internet Searcher's Handbook. 2nd Ed. London: La, 2002.
- Cooke (Alison). A Guide to Finding Quality Information in the Internet 2nd Ed. London: Facet 2601.
- Curtin (Dennis P). Information Technology: The Breaking Wave. New Delhi: Tmh, Latest Editon.
- Deegan (Marlyn) and Tanner (Simon). Digital Futures: Strategies for the Information Age. London: Facet 2002.
- Deitel (H.M.), Deitel (P. J.) And Deitel (T. R.). Internet and World Wide Web: How to Programme. Delhi: Addison Wesley, 2001.
- Dowlin (K). The Electronic Library. New York: Neal Schuman, 1984.
- Forester (T), Ed. The Information Technology Revolution. Oxford: Blackweh, 1985.
- Gorman (G. E.), Ed. The Digital Factor in Information and Library Services. London: Facet, 266c.
- Goucher (Phil). Communications and Networks. 2nd Ed. New Delhi: Affiliated East-West 1965.
- Horak (Ray). Communication Systems and Networks. 2nd Ed. New Delhi: Idg, 2000.
- Jackson (Peter). Introduction to Expert System. Hortow: Addison Wesley, 2000
- Internet Complete, 2nd Ed. New Delhi: Bps, 2000.
- Kaul (H K). Information Networks: An Indian Experience. Now Delhi: Virgo, 1992.
- Kennedy (George). Electronic Communication Systems, 3rd Ed. New Delhi: Tmh, 1999
- Lankes (R. David), Ed. Implementing Digital Reference Services: Setting Standards and Making it Real. London: Facet 2002.
- Lee (Stuart D). Digital Imaging: A Practical Handbook. London: Facet Publishing, 2000.
- Radhakrishna (P). Computers and Information Technology. Hyderabad: Hitech.
- Rich (Elaine) and Knight (Kevin). Artificial Intelligence. 2nd Ed. New Delhi: Tmh, 1994.
- Zorkoczy (Peter) and Heap (Nicholas). Information Technology: An Introduction. 4th Ed. London: Pitman, 1995.

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Semester: II

Syllabus with effect from: 2017-2018

Paper Code: PA02ELIB22		Total Credit: 2
Title of Paper: Information Technology (Practical)		
Unit	Description in detail	Weightage (%)
	Preparation of Websites	100