

SYLLABUS
MASTERS OF LIBRARY SCIENCE
(M.Lib)
1 YEARS PROGRAMME



HIMALAYAN GARHWAL UNIVERSITY UTTARAKHAND



Department of Library and Information Science
Himalayan Garhwal University
Syllabus

Master of Library & Information Science(M.Lib.I.Sc.1st Semester)

2017-2018

Paper No.	Course No.	Paper title	Credit	Sessional Marks	Exam. Marks	Total Marks
I	MLS-7001	Knowledge, Information and Communication	04	30	70	100
II	MLS-7002	Library Classification (Theory)-I	02	15	35	50
III	MLS-7003	Library Classification (Practice)-I	02	15	35	50
IV	MLS-7004	Research Methods and Statistical Techniques	04	30	70	100
V	MLS-7005	Information Technology (Theory)	04	30	70	100
VI	MLS-7006	Information Technology (Practice)	02	15	35	50
VII	MLS-7007	Information Repackaging and Retrieval	04	30	70	100
VIII	MLS-70VI	Viva-Voce	02	-	50	50
Total credit / Marks			25	165	435	600

Paper-I
MLS-7001

Credit: 04
Marks: 100
Knowledge, Information and Communication

Unit-I

Information, Characteristics, Nature, Value and Use
Conceptual difference between data, information and
knowledge Communication of Information: Information
generation Communication Process, Channels, Models
and Barriers Trends in Scientific Communication

Unit-II

Information Industry-Generators, Providers and
Intermediaries Information as an asset and Resource
Intellectual Property Rights Acts
Concept of freedom, Censorship, Data security and fair use
National Policy on Library and Information Systems and Services

Unit-III

Knowledge Management: Definition, concept, need, basic
tools Knowledge Management Systems: Basic
components Approaches and Architecture of Knowledge
Management Trends in Knowledge Management
Role of Knowledge Managers



Reading List:

1. Vickery, B.C. & Vickery, A. (1987). Information Science in Theory and Practice. London: Butterworth.
2. Sharma, S. & Gopal, S. (2011). Applications of Knowledge management in digital era. New Delhi: GNOSIS.
3. Kawatra, P.S. (2000). An introduction to information systems. New Delhi: A.P.H. Publishing.
4. Menon, S. (2003). Protection of Intellectual property in cyber space. New Delhi: Authorspress.
5. Secker, J. (2010). Copyright and e-learning: A guide to Practitioners. London: Facet Publishing
6. Angrew, G. (2008). Digital rights management: A librarian's guide to technology and practice. U.K.: Chandos Publishing.
7. Parashar, R.G. (1991). Information and its communication. New Delhi: Medallion Press.
8. Olive, A. (2007). Conceptual modeling of information systems. Berlin: Springer-Verlag
9. Losse, R. M. (1990). The Science of Information. San Diego: Academic Press.
10. Rikowski, R. (2007). Knowledge Management: Social, cultural and theoretical perspectives. U.K.: Chandos Publishing.
11. Sharma, P. (2004). Knowledge Management. New Delhi: A.P.H. Publishing.
12. Khan, M.T.M. (1998). Information organization and communication. New Delhi: Publishing.

Paper-II
MLS-7002

Credit: 02
Marks :50

Library Classification (Theory)

Unit-I

General theory of Classification : Contributions of Recharadson, W.C. Berwick
Sayyers, H.E. Bliss, S.R. Ranganathan and CRG
Universe of Knowledge : Mapping and Problems
Categorization of Isolates: Historical Perspective and Modern Trends

Unit-II

Modes of formation of Subjects and Methods of Scholarship vis-à-vis revision of CC,
UDC and DDC
Features of Special Classification Schemes
Classificatory Principles in the Classification of Sciences, Social Sciences and
Humanities

Unit-III

Comparison of CC & UDC with regard to common sub-divisions and Indicator
Digits Trends in Classification: Thesourofacet, automatic Classification, Classaurus,
Classification in Online Systems, Web Dewey; Dewey on CD
Design Methodology of Classification Scheme



Reading List:

- 1.Foskett, A.C. (1977). Subject Approach to information (3rd ed.). London: Clive Bingley.
- 2.Mills, J. (1960). A Modern Outline of Library Classification. Bombay: Asia Publishing House.
- 3.Ranganathan, S.R. (1967). Prolegomena to Library Classification (3rd ed). Bangalore: Sarada Ranganathan Endowment for Library Science.
- 4.Husain, S. (2004). Library Classification: facts and analysis. New Delhi: BR Publishing.
- 5.Ranganathan, T.S., Ed. (1990). Ranganathan Philosophy: Assessment, Impact and Relevance. New Delhi: Vikas Publishing House.
- 6.Kumar, K. (1988). Theory of Classification (4th ed). New Delhi: Vikas Publishing.
- 7.Marcella, R. and Newton, R. (1996). A New Manual of Classification. New Delhi: Jaico Publishing.
- 8.Mills, J. (1996). A Modern Outline of Library Classification. Bombay: Asia Publishing.
- 9.Ohedar, A.K. & Sengupta, B. (1977). Library Classification (2nd rev. ed.). Calcutta:World Press.
- 10.Ranganathan, S.R. (1962). Elements of Library Classification (3rd ed.). Bombay: Asia Publishing.
- 11.Brown, J.D. (1939). Subject Classification (3rd ed.). London: Grafton.
- 12.Parkhi, R.S. (1972). Library Classification: Evolution of a Dynamic Theory. New Delhi: Vikas Publishing House.



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Paper-III
MLS-7003

Credit: 02
Marks :50
Library Classification (Practice)

The practical examination will consist of transcripts of eight complex titles of monographs and other documents to be classified in depth according to UDC (Abridged edition 2003)

Reading List:

- 1.Fosket, A. C. (1973). *Universal Decimal Classification*. Clive Bingley, London.
- 2.McIlwaine, I. C. (2007). *The Universal Decimal Classification: A guide to its use*. UDC Consortium, The Hague, Netherlands.
- 3.Universal decimal classification. (Latest Edition). British Standards Institution, London



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Paper-IV
MLS-7004

Credit: 04
Marks :100

Research Methods and Statistical Techniques

Unit-I

Research: Concept and definition

Types of research: Fundamental and Applied, Inter disciplinary and Multidisciplinary Research Design: concept and types

Elements of Research methods Identification and formulation of problem Hypothesis

Literature Search: Print & Non-print

Research Methods: Scientific, Historical methods, Descriptive methods, Survey and Case Study Methods, Experimental and Delphi Methods

Designing of Research Proposal

Unit-II

Sampling Techniques

Research Technique Tools:

-Questionnaire, Interview,

Observation -Scales and Check lists

-Library Records and Reports

Research Reporting: Structure, Style, Contents,

Guidelines Methods of Research Report Evaluation

Unit-III

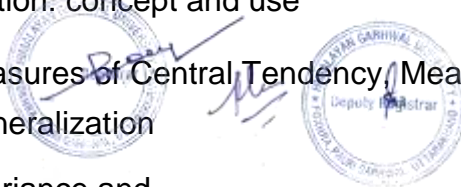
Data analysis and interpretation: concept and use

Descriptive Statistics – Measures of Central Tendency (Mean, Mode, Median Tabulation and Generalization

Measures of dispersion, Variance and Covariance Standard Deviation

Graphical presentation of data: bar, Pie-line graphs, Histograms

Inferential Statistics: Correlation, T-test, Regression – linear and non-linear, Chi square test



Statistical packages – SPSS, (introduction)

Reading List:

1. Best, J. W. & Kahn James, V. (1999). Research in Education (2nd ed.). New Delhi: Prentice Hall of India.
2. Busha, C. H. & Harter, S. H. (1988). Research Methods in Librarianship: Techniques and Interpretations. New York: Academic Press.
3. De Vaus, D. (2001). Research Design in Social Research. New Delhi: Sage Publications.
4. Ghosh, B. N. (1984). Scientific Method and Social Research (2nd ed.). Delhi: Sterling
5. Slater, M., Ed. (1990). Research Methods in Library and Information Studies. London: The Library Association.
6. Kumar, K. (1992). Research Methods in Library and Information Science. New Delhi: Vikas Publishing House
7. Kumar, P.S.G. (2004). Research Methods and Statistical Techniques. Delhi: B.R. Publishing.
8. Rao, I. K. R. (1983). Quantitative Methods for Library and Information Science. New Delhi: Wiley Eastern.
9. Sanders, D. H. (1980). Statistics: A Fresh Approach. New Delhi: McGraw Hill.
10. Alvesson, M. & Skoldberg, K. (2009). Reflexive methodology: new vistas in qualitative research (2nd rev. ed.). Sage Publication: London.
11. Devarajan, G. (2011). Prolegomena to Research methodology. New Delhi: Ess Ess Publishing.
12. Das, S. (2012). Research methodology: methods, tools & techniques. Jaipur: Yking books.
13. Sharma, J. N. (2011). Research methodology: The discipline and its dimensions. New Delhi: Deep & Deep Publications.
14. Singh, Y.K. & Bajpai, R.B. (2008). Research methodology: Data presentation. New Delhi: A.P.H. Publishing.
15. Sharma, C.K. & Jain, M.K. (2009). Research methodology. New Delhi: Shree Publishers.



Paper-V Credit: 04
MLS-7005 Marks :100

Information Technology (Theory)-I

Unit-I

Information Technology and Libraries

Software packages: Operating systems, utility software,
application software Criteria for selection of application software

Library automation software packages-Proprietary and Open source software's with
examples:

WINISIS, KOHA, Alice for Windows.

Unit-II

Human Computer interfaces

Multimedia: Elements and its application to libraries

Telecommunication and networking: Concepts, Media, Mode and Components

Network Media: UTP, Optical fiber Ethernet, Network Interface Card, Hub, Router, Modem.

Unit-III

Network types-LAN, MAN, WAN and their applications in Library

Networks Network topologies-Bus, Star, Ring, Token Ring Local

Area Network –

Types CD Networks

Reading List:

- 1.Goel, A. (2012). *Computer fundamentals*. New Delhi: Pearson Education.
- 2.Marshall, F. & Kulkarni, L.G. (2009). *Computer networking and the internet* (5th ed.). New Delhi: Pearson Education.
- 3.Black, U. (2003). *Computer networks: Protocols, standards and interfaces* (2nd ed.). New Delhi: Prentice-Hall.
- 4.Tanenbaum, A.S. (2003). *Computer networks* (4th ed.). New Delhi: Pearson Education.
- 5.Samuel, T.M. & Samuel, M. (2008). *Information technology*. New Delhi: Commonwealth.
- 6.Leon, A. & Leon, M. (1999). *Fundamentals of information technology* (2nd ed.). New Delhi: Vikas Publishing.
- 7.Seegal, R.L. (1999). *Handbook of library software packages*. New Delhi: Ess Ess Publication.
- 8.Parashar, R.G. (2003). *Indian library in IT environment*. Ludhiana: Medallion press.
- 9.Rajaraman, V. (2007). *Fundamentals of computers* (4th ed.). New Delhi: Prentice-Hall of India.
- 10.Kresh, D., Ed. (2000). *The whole digital library: Handbook*. New Delhi: Indiana Publishing.
- 11.Aswal, R.S. (2003). *CDS/ISIS for windows: A handbook for librarians*. New Delhi: Ess Ess Publication.

Paper-VI
MLS-7006

Credit: 02
Marks: 50

Information Technology (Practice)-I

The practical questions will be set to check IT skills in the following areas:-Creation of database using WINISIS, and Alice for Windows

Use of Library software package, Alice for Windows for in-house operations, Bar Code Generations, membership cards, machine readable catalogue cards CD-ROM & Online searching

Web page design and creation for a Library/ Information Centre

Note: The semester examination, which will be conducted by one external examiner and one internal examiner to be appointed by Board of Studies. The duration of the examination will be of 2 hours.

Reading List:

- 1.Xavier, C. (2007). *World Wide Web design with HTML*. New Delhi: Tata Mc Graw Hill.
- 2.Bradley, P. (2007). *How to use web 2.0 in your library*. London: Facet Publishing.
- 3.Cox, C. N. (2006). *Federated search: solution or setback for online Library Services*. Philadelphia: The Haworth Press.
- 4.Donnely, V. (2000). *Designing easy-to-use websites: a hands-on-approach to structuring successful websites*. Boston: Addison-Wesley.
- 5.Lowery, J. W. (2002). *Dreamweaver MX bible*. Indianapolis: Wiley Publishing,
- 6.Lynch, P. J. & Horton, S. (2009). *Web style guide: basic design principles for creating web sites* (3rd ed.). London: Yale University Press.
- 7.Niederst, Jennifer (2006). *Learning Web Design : A Beginner's Guide to HTML, Graphics and Beyond* (2nd ed.) Mansion Shroff Publishers and Distributers Pvt. Ltd.

Paper-VII
MLS-7007

Credit: 04
Marks: 100

Information Repackaging and Retrieval

Unit-I

Abstract & Abstracting: Concept, Types, procedure of Abstracting, Guidelines in preparing Abstracts Repackaging and consolidation: Concept and Need
Procedure of repackaging: Content analysis, formatting, consolidation

Study of few Internationally recognized Abstracting /Indexing Services: Sci-Finder,PUB-MED, Web of Science

Unit-II

Index and Indexing: Concept and Types Indexing models – assigned and derived Co-ordinate Indexing system

Citation indexing

Indexing languages: types and characteristics
Vocabulary control – tools of vocabulary control
Features and Construction of IR Thesaurus

Unit-III

Information Retrieval System – concepts and types Features and elements of online IR
Trends in IR Evaluation
of IR systems

Search Strategies: Manual/Machine, feedback and Refining



Reading List:

- 1.Rajan, T.M. (1981). Indexing systems: Concepts, models and techniques. Calcutta: IASLIC
- 2.Chakraborty, A.R. & Chakrabarti, B. (1984). Indexing: Principles, processes and products. Calcutta: The World Press.
- 3.Prashar, R.G. (1989). Index and Indexing systems. New Delhi: Medallion Press.
- 4.Riaz, M. (1989). Advanced indexing and abstracting practices. New Delhi: Atlantic publishers.
- 5.Chowdhury, G.G. (2010). Introduction to model information retrieval system (3rd ed.). London: Facet publishing
- 6.Rich, Elaine. (1990). Artificial intelligence (2nd ed.). New York: McGraw-Hill.
- 7.Salton, G. & McGill, M.J. (1983). Introduction to modern information retrieval. New York: McGraw-Hill.
- 8.Lancaster, F.W. (1991). Indexing and abstracting in theory and practice. London: Library Association Publishing.
- 9.Dierick, H. & Hopkinson, Alan. (1981). Reference manual for machine-readable Bibliographic Descriptions (2nd ed.). Paris: UNESCO.
- 10.Date, C.J. (1981). An introduction to database systems (3rd ed.). Reading, MA: Addison-Wesley
- 11.Aitchison, J. & Gilchrist, A. (2000). Thesaurus construction and use: a practical Manual (4th ed.). London: Aslib.

Paper-VIII
MLS -70VI



Credit: 02
Marks :50

Department of Library and Information Science

Himalayan Garhwal University

Syllabus

Master of Library & Information Science (M.Lib.I.Sc. IInd Semester) 2017-2018

Paper No.	Course No.	Paper title	Credit	Sessional Marks	Exam. Marks	Total Marks
I	MLS-8001	Informatics and Scientometrics	04	30	70	100
II	MLS-8002	Library Cataloguing (Theory)	02	15	35	50
III	MLS-8003	Library Cataloguing (Practice)	02	15	35	50
Any one of the following						
IV (a)	MLS-8004	Information Sources and System in Natural Sciences	02	15	35	50
IV (b)	MLS-8005	Information Sources & Systems in Social Sciences	02	15	35	50
IV (c)	MLS-8006	Information Sources and Systems in Medical Sciences	02	15	35	50
IV (d)	MLS-8007	Information Sources and Systems in Agricultural Sciences	02	15	35	50
IV (e)	MLS-8008	Information Sources and Systems in Eng. & Technology	02	15	35	50
Any one of the following						
V (a)	MLS-8009	Planning and Management of Academic Library System	02	15	35	50
V (b)	MLS-8010	Planning and Management of Public Library System	02	15	35	50
V (c)	MLS-8011	Planning and Management of Special Library System	02	15	35	50
V (d)	MLS-8012	Planning and Management of Health Science Library System	02	15	35	50
VI	MLS-8013	Information Technology (Theory)-II	04	30	70	100

VII	MLS-8014	Information Technology (Practice)-II	02	15	35	50
VIII	MLS-80DI	Dissertation	04	30	70	100
IX	MLS-80VI	Viva-Voce	02	-	50	50
Total credit / Marks			24	165	435	600



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Paper -I
MLS-8001

Credit: 04
Marks:100

Informetrics and Scientometrics

Unit-I

Information Science: Definition, Scope and Objectives

Information Science: Historical background, Relationship with other subjects
Information society: Genesis, Characteristics, Implications
Changing role of Library and Information Centres in Society

Unit-II

Bibliometrics, Scientometrics, Informetrics and Webometrics: concepts, evolution and present status
Bibliometric Laws: Bradford, Zipf, Lotka and their utility and application
Citation analysis, Bibliographic Coupling, Obsolescence, E-citation, Impact factor

Unit-III

Information Products: Nature, Concepts, Types
Design and Development of Information: Infrastructure; Products
Marketing of Information Products
Economics of Information: Concepts and Evolution
Information as a Commodity

Reading List:

- 1.Dhawan, K.S. (2001). Reading in Library Science. New Delhi: Commonwealth.
- 2.Sardana, J.L.,Ed. (2002). Libraries and information studies in retrospect and prospect
Essay in Honour of D. R. Kalia. New Delhi: Concept publishing company.
- 3.Baruah, A. (2004). Library Science: Prospects in 21st century. New Delhi: Kilaro Books.
- 4.Melntosh, J. (Ed.). Library and Information Sciences: Parameters and Perspectives. Canada:
Apple Academic Press.
- 5.Kawatra, P.S. (2000). Textbook of Information Science. New Delhi: A.P.H. Publishing



Paper-II
MLS-8002

Credit: 02
Marks: 50
Library Cataloguing (Theory)

Unit-I

Contributions of Cutter, Lubetzky, Ranganathan in the field of Cataloguing. Impact of Paris Principles on the Development of Cataloguing Codes Comparative study of CCC and AACR-2 : Corporate Author and Composite books.

Online Cataloguing: OPACs and Web OPAC with examples at national and international level

Unit-II

Subject Cataloguing: Definition and General Principles
Choice and Rendering of Subject Headings: LCSH, POPSI,
PRECIS Thesaurus: Need and Guiding Principles for Compilation

Unit-III

Layout and rules for the Union Catalogues of Books, Periodicals, Indexing and Abstracting Journals and National Bibliographies.

Compilation of Local, National and International Union Catalogues, Application of IT Development and current trends in Standardization, Description and Exchange Formats: ISBD, MARC, CCF, ISO2709
UNIMARC, MARC21, UNICODE: Overview

Reading List:

1. Fritz, D. A. (2009). *Cataloguing with AACR-II & MARC21: for books Electronics Resources, Sound Recording, Video Recording & Serials*. New Delhi: Pentagon Press.
2. Maxwell, R. L. (2009). *Maxwell's Handbook for Anglo- American Cataloguing Rules2: Explaining & illustrating through the 2003 update*. New Delhi: Indiana Publishing House.
3. Dabs, K.C. (2008). *IT Application for TQM and Library Marketing*. New Delhi: Ess Ess Publications.
4. Lois Mai Chan (2007). *Cataloguing and Classification: An Introduction* (3rd ed.). Lanham: The Scarecrow Press.
5. Sahoo, K.C. (2004). *Information Management with IT Application*. New Delhi: Medallion Press.
6. Taylor, A.G. (2000). *Wynar's Introduction to Cataloging & Classification*, (9th ed.). Westport: Libraries Unlimited.
7. Dhawan, K .S. (1997). *Online Cataloguing Systems*. New Delhi: Commonwealth Publication.
8. Singh, S.N. & Prasad, H.N. (1985). *Cataloguing Manual AACR-II*. New Delhi: B. R. Publishing Corporation.
9. Lois Mai Chan (1985). *Cataloguing and Classification: An Introduction*. New York: Mc Graw Hill

10. Parmeshwaran, M (1984). *Anglo American Cataloguing Rules and CCC (s)*. New Delhi: Ess Ess Publications.
11. Agrawal, S.S. & Kaula., P.N. (1972). *Catalogue entries & procedure: A guide to cataloguing work according to ALA, AACR, CCC*, New Delhi: Lakshmi Book Store.
12. Coates, E.J. (1960). *Subject Cataloguing: Headings & Structure*. London: The Library Association



Paper-III
MLS-8003

Credit: 02
Marks :50

Library Cataloguing (Practice)

Cataloguing of complex problems involving the rendering of headings and description will be done according to Anglo-American Cataloguing Rules (AACR-2).

-Corporate authors -

Non-books materials

-Periodicals

The practical examination will be conducted through a question paper containing the reproduction of title pages of the documents and other information required for their cataloguing. There will be three cataloguing problems.

Paper-IV (a)
MLS -8004

Credit: 02
Marks:50

Information Sources and System in Natural Sciences

Unit-I

Sciences: definition, terminology, scope.

Primary Sources: Periodicals, Standards,
Patents, Dissertations. Web based sources

Evaluation of representative sources in each
category **Unit-II**

Secondary Sources: Bibliographies, Dictionaries, Treatises/Monographs, Directories, Trade Catalogues. Tertiary Sources: Guides to Literature and Bibliography of Bibliographies. Web based sources

Evaluation of representative sources in each
category **Unit-III**

Information Systems and Networks in Natural Sciences: Need and Purpose

Study of Science Information Systems at National and International levels: ENVIS, INIS, AGRIS, MEDLARS, BT Net



Reading List:

- 1.Katz, W. A. (1969). *Introduction to Reference Work*. New York. Mc Graw Hills.
- 2.Sharma, J. S. & Grover, D.R (1987). *Reference Service & Sources of Information*. New Delhi: Ess Ess Publication.
- 3.Sharma, Pandey, S.K. (1992). *Library & Society*. New Delhi: Ess Ess Publication.
- 4.Dhiman, A. K. & Rani, Y. (2007). *Resource Sharing and Library & Information Networks*. New Delhi: Ess Ess Publication.



Paper-IV (b)
MLS-8005

Credit: 02
Marks :50

Information Sources and Systems in Social Sciences

Unit-I

History of Social Sciences

Definition, Terminology, Branches and Land marks in Social Sciences.

Primary Sources: Periodicals, Government bulletins, Standards, Dissertations,
Monographs, Memoirs Web based sources Evaluation
of representative sources in each category

Unit-II

Secondary Sources: Bibliographies, Dictionaries, Treatises, Directory.

Tertiary sources: Trade Catalogues, Guides to the literature and Bibliography of bibliographies

Web based sources

Evaluation of representative sources in each category

Unit-III

Information Systems and Networks in Social Sciences: Need and Purpose

Study of Select Social Science Information Systems at National & International levels.



Paper- IV (c) Credit: 02
MLS-8006 Marks:50

Information Sources and Systems in Medical Sciences

Unit: I

Medical/Health Sciences: Definition, Scope, Development, Modern Trends. Primary Sources: Periodicals, Standards, Patents. Dissertation. Web based Primary Sources. Evaluation of representative types of sources in each category.

Unit: II

Secondary Sources: Indexing Journal: Drug Indexes, Index Medicus. Abstracting Journals: British Medicine, Excerpta Medica. Reviews.

Dictionaries.
Encyclopedias.

Tertiary Sources: Directories, Guides to medical literature. Web based Secondary and Tertiary Sources. Evaluation of representative types of sources in each category

Unit: III

Information Systems and Networks in Medical/Health Sciences: Need and purpose. Medical/Health Information Systems at National and International Levels: IndMED, MedIND, MEDLARS.

Reading List:

1. Morton, L.T. & Godbolt, S. (1984). *Information Sources in the Medical Sciences (3rd Ed.)* London : Butterworths.



Paper -V(a) Credit: 02
MLS-8009 Marks: 50

Planning and Management of Academic Library System

Unit-I

Role of the Library in Academic Institutions. Development of Academic Libraries in India after Independence. Planning of Academic Libraries, Study of the recommendations of various Committees and Commissions with regard to Academic Libraries in India. Role of the UGC and UNESCO in promoting academic libraries.

Unit-II

Library Governance: Authority, Committees and Role of Librarian. Organisational Pattern. Human Resource Management: Staffing, Selection & Recruitment. Performance Appraisal. Budgeting. Academic Library Buildings: Planning, basic elements in designing. Furniture and fittings. Public Relations: Need and Methods.

Unit-III

Library & Information Services: Need and types. Library Co-operation and Resource Sharing, Role of INFLIBNET. Electronic Journals and Consortia: Concept. UGC Info-Net. Online Computer Library Centre (OCLC). Study of Select University Libraries in India: Aligarh Muslim University, Delhi University, Jawaharlal Nehru University.

Reading List:

1. Singh, S. (1986). *Reference Service in Academic Libraries in India*. New Delhi: Ess Ess Publication.
2. Prasher, R.G. (1991). *University Libraries in India 1980s and Beyond*. New Delhi: Medallian Press.



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Paper No. V(b) Credit: 02
MLS-8010 Marks:50

Planning and Management of Public Library System

Unit-I

Concept, nature and characteristics of Public Libraries. Public Library Users.

Development of Public Library Movement in India with reference to post independence period

Public Library Legislation: Need and Role

Public Library Systems in India: An Overview

National Policy for Library Development in India (National Policy for Library and Information Science and National Knowledge Commission).

Unit-II

Public Library Collection: Print and Non-Print.

Library Co-operation and Resource Sharing in Public Libraries.

Public Library Finance.

Planning Library Building and Equipments.

Human Resource Development.

Unit-III

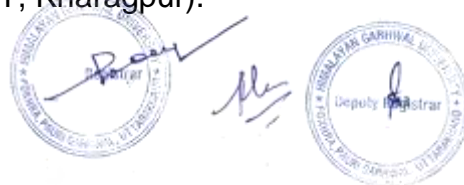
Public Library Services for Special Categories of Users: Visually Impaired and Physically Challenged, Children, Young Adults, Women.

Library Extension Services.

Organizations promoting public libraries: National, International, Government Agencies and Non-Government Agencies: UNESCO; IFLA; [Raja Rammohan Roy Library Foundation, Kolkata](#), Digital Empowerment Foundation.

Prominent Public Libraries in India (Illustrative): The State Central Library, Mumbai; Connemara Public Library, Chennai; Delhi Public Library; T.S. Central Public Library, Chandigarh.

Recent Trends in Public Library Services: Social Science Cyber Library (AMU), Digital Library of India, National Digital Library (IIT, Kharagpur).



Paper-V(c)
MLS-8011

Credit: 02
Marks:50

Planning and Management of Special Library System

Unit-I

Definition, objectives, distinguishing features and scope of Special Libraries: Industrial, Business, Government, Research Institute, Newspapers, Differently abled, Development of Special Libraries in India.

Unit-II

Library governance: Authority, Committee and role of librarian. Organisational Pattern: centralized v/s decentralized. Library Personnel: staff pattern, selection and recruitment. Public relations. Budgeting, Modern special library buildings: Planning, basic elements in the design of building, furniture and fittings.

Unit-III

Inter-Library cooperation and Resource sharing, Electronic Journal Consortia: INDEST, FORSA, CSIR. Study of some representative Special libraries of India: Indian Institute of Technology (IIT) Madras, BARC, Bombay, CFTRI, Mysore, Indira Gandhi National Centre of Arts, New Delhi, Nehru Memorial Museum and Library, New Delhi, National Institute for the Visually Handicapped, Dehradun, Khuda Bakhsh Oriental Public Library, Patna.

Reading List:

1. Mukherjee, A.K. *Fundamental of Special Librarianship & Documentation*.....
2. Sinha, S. C. & Dhiman, A. K. (2002). *Special Libraries: Research & Technical Libraries* New Delhi: Ess Ess Publication.



Paper-V (d)
MLS -8012

Credit: 02
Marks :50

**Planning and Management of Health
Science Library System**

Unit – I

Growth and development of Health Science Libraries with special reference to India. Types and characteristics. Role of MCI, DCI, NML, NIC, ICMR and WHO in the development of medical libraries in India. Planning and layout of Health Science Libraries. Collection development. Organization of documents through classification and cataloguing. Circulation, Reference and Documentation Services (CAS, SDI and literature search services).

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Unit-II

Health Science Library governance: Authority, Committee and role of librarian. Organisational Pattern: centralized v/s decentralized. Library Personnel: staff pattern, selection and recruitment. Public relations. Budgeting, Modern library buildings: Planning, basic elements in the design of building, furniture and fittings.

Unit-III

Information Technology in Health Science Libraries: Use and scope. Software packages. Electronic Document Delivery System. Health Information Sources and Services on the Net. INTERNET and Bio-medical Information. Indexing and Abstracting services: Index Medicus, Current Contents and Exerpta Medica etc. MeSH Headings and their use in literature search including CD ROM Searches. MEDLARS services. Inter-Library Cooperation and resource sharing, Electronic Journal Consortia.



Paper -VI
MLS-8013

Credit: 04
Marks:100
Information Technology (Theory) - II

Unit-I

Internet and Intranet: Basic features and applications
Protocols: Concepts, functions

Network protocols: TCP/IP, SPX, Net BUI, FTP, HTTP

Modes of Connectivity: Dial up, ISDN, Leased Lines, Blue tooth, Wifi etc.
E-mail: Definition, importance, types, process, and applications

Web Browser: Netscape Navigator, Internet Explorer, Mozilla Firefox etc.
Web Servers, Web tools, Search Engines

Internet Security

Unit-II

Digital Libraries: Genesis, definition, objectives, scope
Image formats, Audio formation

Storage Media, Standards and Formats – 1SO-9660, DVD, Blue ray
Software and Hardware for digital libraries, OCR, Image Editing
Software Open source softwares

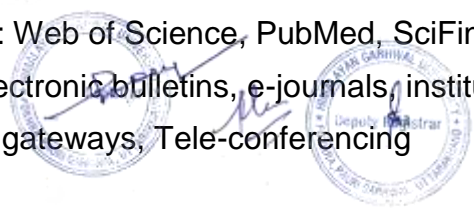
Input capture devices scanners, digital & movie cameras

Data warehousing, Data Mining, Meta Data, Dublin Core, Digital Object Identifier (DOI)
RFID : Features Components and its Applications

Unit-III

Artificial Intelligence and Expert Systems: Concepts, Features, Software, Application in Libraries & Information Centres.

Online Searching of Databases: Web of Science, PubMed, SciFinder,
OCLC Electronic publishing: Electronic bulletins, e-journals, institutional repositories
Concept of subject gateways, Tele-conferencing



Paper-VII
MLS-8014

Credit: 02
Marks :50

Information Technology (Practice) -II

The practical questions will be set to check IT skills in the following areas:-

- 1.Database creation using software packages, LibSys and SOUL
- 2.Use of Library software packages, LibSys, SOUL for in-house operations, Bar Code Generations, membership cards, machine readable catalogue cards
- 3.Development of Digital Library using Green Stone Digital Library Software (GSDL)



Paper-VIII
MLS -80DI

Credit: 04
Marks :100
Dissertation

This paper will consist of areas such as annotated subject bibliography, bibliometric study, case study, survey, trend report, etc. The paper will be of 100 marks.

The dissertations will be evaluated by an external examiner and will carry 75 marks. Viva- voce examination will be of 25 marks. This will be conducted by a group of three members consisting of chairman of the department, external examiner and the supervisor. The dissertation will be submitted before the commencement of annual examination.

Paper-IX
MLS -80VI

Viva-Voce

Credit: 02
Marks :50

Viva-voce examination will be conducted preferably after the completing II-Semester examination by one external examiner.

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This paper consists of 50 marks including 25 marks for compulsory educational tour. Of the 25 marks, 13 marks are allotted to the tour report and the remaining 12 marks will be for viva-voce examination, conducted on the educational tour report, just before the commencement of second semester exam.

Note: Compulsory Educational tour will be conducted preferably during the winter vacations and will be a part of second semester. For 'Suggested Readings' please contact concerned teachers