PERIYAR UNIVERSITY, SALEM – 11

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
Master of Library and Information Science (MLIS)

Two Year – CBCS Pattern (4 Semesters) Programme
Regulations and Syllabus (Revised)

Revised Syllabus effective from 2017-18 onwards

1. Objectives of the Course:

To impart advance knowledge in Library and Information Science and to provide the required skills for managing modern library and information centers.

2. Eligibility for Admission and Total Intake:

A Candidate who has passed **ANY** degree examination of this University or an examination of any other Universities / Institutions approved and accepted by the Syndicate of this University as equivalent thereto.

Intake: 40 (Forty)

3. Duration of the Course and Distribution of Credit Points:

The duration of the Course is **Two years.** It consists of **FOUR** Semesters under **Choice Based Credit System** (CBCS). The minimum credit requirement for a two year Master's programme shall be 90 Credits. The break-up of credits for the programme is as follows:

- Core Courses : 68 Credits
- Elective / Supportive courses : 22 Credits

4. Course of Study:

The Course of study for the degree shall be in Master of Library and Information Science (MLIS) with internal assessment according to the syllabus prescribed from time to time.

Total Marks	: 2300 Marks					

Total Marks   : 2300 Marks

For each Theory course   : 100   Marks (IA: 25 + UE: 75)

For each Practical course   : 100 Marks (IA: 40 + UE: 60)

@For Internship Training   : 100 Marks (IA: 40 + EA: 60)

Dissertation and Viva-voce   : 100 Marks (IA: 40 + viva-voce 60)

Evaluation of Internship as IA marks given by concern library Head, EA made by Write-up, Power Point Presentation and Interview.
*IA: Internal Assessment   (30 Internal +30 External)

               UE   : University Examination
               EA   : External Assessment

Scheme of Examination:

Core / Ele / Supp	Paper Code	Title of the Paper	CH	Cre	Marks		
					CIA	EX	Tot
FIRST SEMESTER							
CORE THEORY-I	17UPLIS1C01	Foundations of Library and Information Science	4	4	25	75	100
CORE THEORY-II	17UPLIS1C02	Introduction to Information Technology	4	4	25	75	100
CORE THEORY -III	17UPLIS1C03	Management of Library and Information Centers	4	4	25	75	100
CORE THEORY -IV	17UPLIS1C04	Information Processing - Classification Theory	4	4	25	75	100
CORE PRACTICAL - I	17UPLIS1P01	Information Processing – Classification Practice (DDC & CC)	6	4	40	60	100
CORE PRACTICAL - II	17UPLIS1P02	Computer Lab Practice	6	4	40	60	100
SECOND SEMESTER							
CORE THEORY -V	17UPLIS1C05	Information Sources and Services	4	4	25	75	100
CORE THEORY- VI	17UPLIS1C06	Library Automation and Digital Libraries	4	4	25	75	100
CORE-THEORY - VII	17UPLIS1C07	Information Processing - Cataloguing Theory	4	4	25	75	100
CORE PRACTICAL - III	17UPLIS1P03	Information Processing and Retrieval – Cataloguing Practice - AACR-II and UDC	6	4	40	60	100
Common Paper	09PHR01	Human Rights	4	2	25	75	100
Supportive - I		Supportive - I	4	4	25	75	100
THIRD SEMESTER							
CORE THEORY - VIII	17UPLIS1C08	Information Retrieval System	4	4	25	75	100

CORE THEORY -IX	17UPLIS1C09	Research Methodology	4	4	25	75	100
CORE THEORY -X	17UPLIS1C10	Knowledge Management	4	4	25	75	100
CORE THEORY -XI	17UPLIS1C11	Preservation and Conservation of Library Resources	4	4	25	75	100
CORE PRACTICAL - IV	17UPLIS1P04	Library Automation and Digital Library (Lab Practice)	6	4	40	60	100
Supportive - II		Supportive - II	4	4	25	75	100
CORE PRACTICAL - V	17UPLIS1P05	Internship	3W	4	40	60	100
FOURTH SEMESTER							
Elective - I		Elective – I	4	4	25	75	100
Elective - II		Elective - II	4	4	25	75	100
CORE PRACTICAL - VI	**17UPLIS1P06**	Multimedia Tools	6	4	40	60	100
Project	17UPLIS1P07	Project: Dissertation & Viva-Voce	15	4	40	60	100
			127	90	680	1620	2300

Core course including Theory, Practical, Internship and Project

a) No of courses   17+1(Project)
   Total Credits   **72**

Elective Courses (Major / Non-Major)

a) No of Elective courses   : 2
b) No of Supportive courses   : 2
c) No of Common course   : 1
   Total Credits   **: 18**

	Internal	External	Total
Theory	25	75	100
Practical	40	60	100

LIST OF ELECTIVE COURSES

1. 17UPLIS1E01   Marketing of Information Products and Services
2. 17UPLIS1E02   Library Networks, Consortia and Resource Sharing
3. 17UPLIS1E03   Electronic Information Resources
4. 17UPLIS1E04   Public Library System and Services
5. 17UPLIS1E05   Bibliometrics
6. 17UPLIS1E06   User Education and Communication
7. 17UPLIS1E07   Digital Content Management Systems
8. 17UPLIS1E08   Special Library and Information Systems
9. 17UPLIS1E09   Intellectual Property Rights
10. 17UPLIS1E10   Academic Library System

LIST OF SUPPORTIVE COURSES

1. 17UPLIS1S01   Information Resources on STEM
2. 17UPLIS1S02   Open Educational Resources
3. 17UPLIS1S03   Information Search Strategies and Techniques
4. 17UPLIS1S04   Information Sources
5. 17UPLIS1S05   E- Resources

6. Examination:

Examination shall be of three hours duration for each paper. Examination will be held at the end of the Semester. The Candidates failing in any subject(s) may be permitted to reappear in the subsequent examinations.

Evaluation of Internal Assessment: 25 Marks

Test   : 10 Marks (Best one out of Two Tests – 5 Marks & Model Exam – 5)
Seminar   : 5 Marks
Assignment   : 5 Marks
Attendance   : 5 Marks
Passing minimum shall be 50% out of 25 marks (13 Marks)

7. Question Paper Pattern:

A. Theory:

Time: 3 Hours   Max. Marks: 75

PART – A: 10 X 2 = 20

Answer all the questions

PART – B: 5 X 5 = 25

Answer all the questions

Either OR type for each unit

PART – A: 3 X 10 = 30

Five questions 1 each from every unit

Answer Three questions

Note: Passing minimum marks shall be 50% out of 75 (38 Marks)

B. 1. Practical: Classification (Using CC and DDC)

All questions carry equal marks

PART – A: 5 x 2 = 10

PART – B: 5 x 4 = 20

PART – C: 5 x 2 = 10

PART – D: 5 x 4 = 20

B. 2. Practical: Cataloguing (AACR- II) : 6 x 10 = 60 Marks

B. 3. Practical: Advanced Classification & Cataloguing (UDC and AACR- II - NBM)

All questions carry equal marks

PART - A: Advanced Classification UDC: 30 Marks

      Section - A: 5 x 3 = 15

      Section - B: 3 x 5 = 15

PART - B: Cataloguing AACR – II: 3 x 10 = 30 Marks

C. Internship Training: 3 Weeks

      Every candidate should undergo Internship training programme at IIT, NIT, Universities and other higher educational institutions. They should submit a report after completing the internship.

8. Passing Minimum:

      The Candidate shall be declared to have passed the examination, if they secure not less than 50% marks (Both internal and external) in each examination.

9. Classification of Successful Candidates:

      Successful Candidates should have passed all the examinations securing the marks.

      i. 60% and above, and

      ii. 50% and above but below 60% in the aggregate of the marks for all subjects shall be declared to have passed the examination in **I Class** and **II Class** respectively.

iii. Candidates who obtain 75% of the marks in the aggregate shall be deemed to have passed the examination in FIRST Class with Distinction provided they pass all the examinations prescribed for the programme at the first appearance.

10. Commencement of the Regulations:

The above regulations shall take effect from the academic year 2017-2018.

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17UPLIS1C01: FOUNDATIONS OF LIBRARY AND INFORMATION SCIENCE

Unit –I

Notion and nature of Information: Definition: Data, Information, Knowledge and Wisdom, characteristics of Information; various patterns and models of Information – factors influencing growth of Information, Information transfer cycle; Impact of socio-economic changes.

Unit – II

Communication: Concepts, definition, theories and models, Channels and Barriers of Communication.

Unit – III

Types of Libraries: Functions and Services; Five Laws of Library Science and its implications; Professional ethics of Librarian; Role of Professional Associations: National and International Levels – ILA, IASLIC, IATLIS, and IFLA, ALA

Unit - IV

Library movement and legislation in India - Model Library Bill, Delivery of Books and Newspapers Act – Intellectual Property Rights – Information policy, Right to Information, Knowledge Commission.

Unit – V

Promoters of Library and Information Services – UNESCO, RRRLF - Extension Activities: ICT enabled services to public – Evolution, growth and development of LIS Schools in India – Current Trends.

Text & Reference:

1. Khanna, J.K. Library and Society. Kurushektra: Research Publication, 1987

2. Atherton, Pauline. Handbook of Information, System and Services. Paris: UNESCO, 1977.
3. Benge, R.C. Libraries and cultural change. London: Clive Bingley, 1983.
4. Gravey, William. D. Communication: Essence of Science facilitating information exchange among libraries, Scientists, Engineers and students. Oxford: Perganton Press, 1979
5. McGarry, Kevin. Communication, Knowledge and Libraries. London: Clive Bingley, 1981.
6. Ranganathan, S.R. Five Laws of Library Science. London: Vikas, 1957.
7. Richerd E Rubin. Foundations of Library and Information Science. New York, Neal-Schuman Publishers. 2004.
8. UNESCO. National Libraries their problems and prospects. Paris.1960.
9. Murison (WA): Public Libray: Its origin and purposes & significance as social Institutions, London Harrap, 1953.
10. White (Carl M) Ed. Basics of Modern Librarianship New York.
11. Rubin, Richard E. Foundations of Library and Information Science. Neal-Schuman Publishers, Inc., 100 Varick St., New York, 1998.
12. Reitz, Joan M. Dictionary for Library and Information Science. Libraries Unlimited, 2004.

17UPLIS1C02: INTRODUCTION TO INFORMATION TECHNOLOGY

Unit – I

Information Technology: Concept, Meaning and Definitions. Components of Information Technology – Computer and Communication Technologies, Types of computers – CPU, Storage and Input/output Devices, RAM and ROM, USB, Hard Discs, Scanners and Camera, Printers

Unit – II

Data presentation in Computers: Binary Number System, Character encoding standards – ASCII, BCD, EBCDIC and UNICODE

Unit – III

Computer Software: System Software and Application Software, Programming Concepts: Open source and Propriety, Operating Systems: Single & Multi – User system – MS-Window, Linux, UNIX, Window-NT, Client-server architecture.

Unit – IV

File organization: Files and Databases, Data Elements, Fields, Records – Computer Networks and Topologies – LAN, MAN, WAN – Internet - IP address and domain name system, Internet, Intranet – Search Engines.

Unit – V

DBMS – Objectives, Characteristics and Design – RDBMS – Office Management: Word processing, Spreadsheet, Presentation Software, Database in LIS.

Texts & References:

1. ITL Education Solutions Limited, Research and Development Wing, Fundamentals of Computers, New Delhi, Pearson Publications, 2011.
2. Rajaraman, V., Introduction to Information Technology, New Delhi, PHI Learning Pvt. Ltd., 2013.
3. Kanaganathan, S., Fundamentals of Information Technology, Chennai, Kumaran Book House, 2006.
4. Behrouz, A., Forouzan, Data Communications and Networking, Tata Mc Graw Hill, 2004.
5. ITL Education Solutions Limited, Express Learning : Introduction to Information Technology, New Delhi, Pearson India, 2012.
6. Indian Institute of Banking and Finance, Information Technology, Macmillon Publishers, 2010.
7. Gupta, Shalini., Foundation of Information Technology, Anmol Publications Pvt. Ltd., New Delhi, 2011.
8. Rajiv R. Paithankar, Govind S. Ghogare, Information Technology in Library Science, Anmol Publications Pvt. Ltd., New Delhi, 2015.

17UPLIS1C03: MANAGEMENT OF LIBRARY AND INFORMATION CENTRES

Unit-I

Management – Concept, and scope; Functions and principles - Scientific Management in Libraries.

Unit-II

Various sections in a Library – Routines in Acquisition, Technical, Circulation, Maintenance, **Reference and Binding Sections - Books selection: Need and purpose, Principles and theories, Book selection tools - Collection Development Policy and Evaluation.**

Unit-III

Periodical Selection, methods of subscription, recording methods and problems in periodical procurement - Charging and discharging methods - Maintenance: Shelving methods, shelf rectification, stock verification - Binding and preservation.

Unit-IV

Library Governance - Library authority - Library committee, need and functions - Library manpower- staff formula. Library Ethics – Library rules and regulations. SWOT analysis.

Unit-V

Total Quality Management in Libraries - Challenges for Librarianship in digital era.

Texts & References:

1. Katz, W.A. Collection development, the selection of materials for libraries . New York . Holt, Rinehart and Winston, 1980.

2. Krishan Kumar : Library Administration and Management . New Delhi : Vikas , 1987.

3. Mittal, RL   Library Administration : Theory and Practice . ESS ESS Publications, 2nd Edition, New Delhi.

4. Narayana , G.J. Library and Information Management , New Delhi, PHI, 1991.

5. Ranganathan , S.R. : Library administration . 2nd ed. Bombay : Asia

6. Seetharama, S. Guidelines for Planning of libraries and information centres, ISALIC,Calcutta, 1990.

7. Raghunath Pandey and Velayutham Pillai, Library Administration, Jnanda Prakashan, New Delhi, 2011.

8. Ranganathan , S.R. : Library Book Selection, ESS ESS Publications, 2nd Edition, New Delhi.

9. Rashmi Upadhyay, Library Administration and Resources, alfa Publications, New Delhi, 2011.

10. Sethunath, V.S. and Ganesh kumar,M, Librarianship in Digital Era, Crescent Publication Corporation, New Delhi, 2012.

11. Praveen Kumar (Ed), Emerging Trends in Library and Information Science, ESS ESS Publications, New Delhi, 2013.

17UPLIS1C04: INFORMATION PROCESSING - CLASSIFICATION THEORY

Unit-I

Classification – Meaning, Definition, Purpose, Needs, Functions; Knowledge classification and Book classification; Understanding Different types of Classification – Enumerative and Analytico - Synthetic Schemes.

Unit – II

Modes of formation of subjects – Basic, Primary, Compound and Complex Subjects; Normative principles and their applications; Notation- Concepts, Types, Features, Qualities; Three planes of work.

Unit – III

Fundamental Categories; Facet Analysis; Rounds and Levels; Common Isolates and auxiliaries: ACI and PCI and special; Postulate and Postulation Approach; array and chain, Devices, canons Law; Phase Relations.

Unit – IV

Study of DDC, UDC, CC and Broad System of Ordering (BSO) Structures and Features; Parts of Call Number.

Unit – V

Classification of Digital resources; Recent Developments in Classification – Web Dewey, Role of Classification Research Group (CRG).

Texts & References

1. Chan, L.M and Mitchell, J.S Dewey Decimal Classification: principles and applications. Dublin: OCLC, 2003
2. Sinha, S.C and Dhiman, A.K Prolegomena to Universe of Knowledge, New Delhi: ESS ESS, 2002
3. Raju, A.A.N. Colon Classification: Theory and Practice, New Delhi, ESS ESS Publication, 2001
4. Khannan, J.K. Colon Classification: Theoretical Information Schedules, New Delhi, ESS ESS Publication, 2000
5. Singh, Sewa: Colon Classification: Practice, New Delhi, ESS ESS Publication, 1999
6. Sharma, S.K. Colon Classification Made, New Delhi, ESS ESS Publication, 1999
7. Fosket, A.C. Subject Approach to Information, London, Clive Binglay, 1982
8. Seghal , R.C. Handbook of Classification, New Delhi, ESS ESS Publication, 1999
9. Singh, Sewa and Singh, Sukhbie,: Colon Classification: A Select Bibliography, New Delhi, ESS ESS Publication, 1994

17UPLIS1P01: INFORMATION PROCESSING – CLASSIFICATION PRACTICE (DDC & CC)

Classification of Books and Other Documents Using CC (6th Edition) and Dewey decimal classification (23rd Edition)

Texts & References

1. DDC Ed.23, OCLC Ohio,2003
2. Ranganathan, S.R. Colon Classification Ed.6. Bombay, Asia Publishing House, 1960

17UPLIS1P02: COMPUTER LAB PRACTICE

<u>Practice:</u>

- Installing OS

- Creating electronic documents, files and various file formats

- Creation of Database

- Searching Databases

SECOND SEMESTER

17UPLIS1C05: INFORMATION SOURCES AND SERVICES

Unit – I
Types of Information Sources: Documentary, Non Documentary – Print and Non-Print-Electronic, Primary, Secondary, Tertiary sources, Internet source.

Unit – II
Ready Reference Source – Types and Value – Dictionaries, Encyclopedias – Biographical – Handbooks and Manuals – Geographical – Abstracting and Indexing sources,
Bibliographical Sources – INB, BNB. Electronic Information Sources – E-Books, E- Journals, E-Databases, WWW, Repositories, Gateways, Citation databases.

Unit – III
Information Services: Concepts, Types, Needs. Literature Search, Documentation Services, Translation Service, Document Delivery Service, Electronic document delivery, Referral Service, Online Reference service etc.

Unit – IV
Organizations and Functions of Information Systems – NISCAIR - NASSDOC – DESIDOC – SENDOC – DELNET – INFLIBNET National Knowledge Networks

Unit – V
Web based Information Services – Group mail and Forums – Information Alerts – Literature Search – RSS and Blogs

Texts & References:

1. Gurdev, Signh, Information Sources, Services and Systems, Delhi , PHI Learning Private Limited, 2013.
2. Krishan, Kumar, Reference Service, Vikas Publishers, New Delhi, 2008.
3. Sharma, C.K., Reference Service and Sources, Atlantic Publishers, Delhi, 2006.
4. Ranganathan, S.R., Reference Service, Ess Ess Publishers, Delhi, 2006.
5. Dhiman, Anil K., and Yashoda Rani, Learn Information and Reference Sources and Services, Ess Ess Publishers, New Delhi, 2005.
6. Devarajan, G. and Pulikuthiel, Joseph Kurien, Information Access, Tools, Services and Systems, Ess Ess Publishers, New Delhi, 2011.
7. Gorman, Digital Features in Information and Library Services, Chennai, Allied Publishers, 2002.

17UPLIS1C06: LIBRARY AUTOMATION AND DIGITAL LIBRARIES

Unit - I

Library Automation: Definition, need, purpose and advantages. Automation Vs Mechanization. Areas of Automation – Acquisition, Cataloguing, Access to Catalogue (OPAC), Circulation and Serial Control.

Unit- II

Planning for Automation Procedure: Steps in Automation: Library services and technology, Hardware and Software selection and Implementation, Library Software Packages, Criteria for Evaluation of Library Software. Packages.

Unit – III

Digital Libraries: Definitions, Concept, Characteristics, functions and Advantages-Digital Library collection - Major Digital Library Initiatives.

Unit – IV

Design and Organization of Digital Libraries: Architecture, Interoperability, Protocols and Standards, Study of Digital Library Softwares.

Unit – V

Digital content creation: files formats, Archives and Preservation.

Text & Reference:

1. C. Xavier. World Wide Web Design with HTML, New Delhi: TMH, 200
2. Chowdhury, G G and Chowdhury, Sudatta (2003). Introduction to digital libraries. London : Facet.
3. G.G. Chowdhury. Introduction to Digital Libraries. London: Facet Publishing, 2003.
4. Deegan, Marilyn & Tanner, Simon : (2002) Digital futures : strategies for the information age. London : Library Association.
5. John M. Colon, Annl Kelsey, Keith Michael Fiels. Planning for Automagtion: A How-to-do-it for Librarian. 2nd ed.(S.I.): Neal-Schuman, 1997.
6. Kausik Bose Information Networks in India: Problems and Prospects / New Delhi: Ess Ess Publications, 1994.

17UPLIS1C07: INFORMATION PROCESSING - CATALOGUING THEORY

Unit-I

Library Cataloguing – Need, Purpose and Functions; Centralized and Co-operative Cataloguing, Descriptive Vs. Limited Cataloging, Arrangement and Filing of Entries.

Unit – II

Cataloguing Rules, types of Catalogues – Physical Forms and machine readable (Web OPAC) catalogue advantages and disadvantages, Inner forms (Dictionary, Classified and Alphabetical) of Catalogue – overview of AACR-II, MARC21, Dublin Core, ISBD and RDA (Resource Description and Access)

Unit – III

Subject catalogues - Sears' List of subject headings; Indexing Languages - Pre-coordinate and Post-coordinate Indexing, Chain indexing, Uni term Indexing, PRECIS, POPSI, KWIC, KWOC – Citation Indexing.

Unit – IV

Recent trends - WorldCat, IndCat, Pre-Natal Cataloguing, Cataloging in Publication, Union Catalogue.

Unit – V

Normative Principles of Cataloguing - Canons, Laws, Principles and their Implications; Vocabulary control-Thesaurus

Texts & References:

1. Krishna Kumar, Theory of Classification, 4th Rev. Ed., Delhi, Vikas Publishing House, 1988.
2. Kumar. PSG. Knowledge Organization, Information Processing and Retrieval Theory, Delhi: BR, 2003.
3. Ranganathan, S. R. Prolegomena to Library Classification. Ed 3. Bangalore: SRELS, 2006.
4. Sinha, Suresh C and Dhiman, Anil K. Prolegomena to Universe of Knowledge. New Delhi: Ess Ess, 2002.
5. Srivastava, A P. Theory of Knowledge Classification in Libraries. New Delhi, Sage, 1993.
6. Anglo American Cataloguing Rules. 2nd Edition Rev. New Delhi, Oxford, 1988
7. Byrne, Deborah J. MARC Manual: Understanding and Using MARC Record. Englewood, Libraries Unlimited, 1998.
8. Chowdhury, G. G. (2010). Introduction to modern information retrieval. 3rd ed. London, Facet Publishing.
9. Ramalingam, M.S. Library Cataloguing and Classification Systems. Delhi: Kalpaz, 2000.
10. Ranganathan, S.R. Classified Catalogue Code. Madras, UBSPD, 1988
11. Ceri, S., Bozzon, A., Brambilla, M., Della Valle, E., Fraternali, P. & Quarteroni, S. (2013). *Web information retrieval*. Heidelberg: Springer

17UPLIS1P03: INFORMATION PROCESSING AND RETRIEVAL – CATALOGUING   PRACTICE - AACR – II (BOOKS AND SERIALS) & UDC –NON BOOK MATERIALS

Preparation of Catalogue entries for Books and Serials using AACR- II Rev. (2008) and Subject Cataloguing using Sears' List of Subject Headings.

Preparation of Catalogue entries for Books and Serials using UDC (2008).

Time : Three hours   **Maximum marks :** 60

All questions carry equal marks

Part – A

Section A (5 X 3 = 15 marks)

Section B   (3 X 5 = 15 marks)

All questions carry equal marks

Part – B

(3 X 10 = 30 marks)

09PHR01: HUMAN RIGHTS

Unit – I: Introduction

Meaning and Definitions of Human Rights – Historical Evolution of Human Rights – Formation of UNO, Universal Declaration of Human Rights 1948 – Constitutional Provision for Protection of Human Rights – Fundamental Rights and Directive Principles of State Policy – Fundamental Duties and Human Rights Education.

Unit –II: Civil, Political and Economic Rights

Right to Work – Right to Personal Freedom – Right to Freedom of Expression – Right to Property – Right to Education – Right to Equality – Right to Religion – Right to Form Association and Unions – Right to Movement – Right to Family – Right to Contract – Right to Constitutional Remedies – Right to Vote and Contest in Elections – Right to Hold Public Offices – Right to Information – Right to Criticize the Govt. – Right to Democratic Governance. Right to Work – Right to Adequate Wages – Right to Reasonable Hours of Work – Right to Fair Working Conditions – Right to Self Govt. in Industry – Customer Rights – Social and Cultural Rights – Rights to Life – Right to Clean Environment.

Unit –III: Human Rights Activities in India

Human Rights Act 1993 – Structure and Functions of National Human Rights Commission – State Human Rights Commission and Human Rights Courts – Rules and regulations of state human rights Commission 1997.

Unit –IV: Human Rights Movements for Social Development

Indian Freedom Movement – Peasant Movement – Women's movement – SC/ST Movements – Environment Movement.

Unit –V: Human Rights Violation

Violation of Rights among Children, Women, Minorities, SCs and STs, HIVIAIDS Patients, Trans-genders, Convicts and Prisoners, Slavery and Disabled, Provision of constitutional rights during the arrest.

Supportive Course I (Offered by Other Departments)

17UPLIS1C08: INFORMATION RETRIEVAL SYSTEM

UNIT – I
IR Systems - meaning, purpose, functions, kinds; indexing - Meaning, Purpose and Need.

UNIT – II
Vocabulary control – Meaning and importance; Controlled vs. Free text Indexing; Vocabulary control tools – Subject heading Lists, Thesauri, Thesaurus construction techniques.

UNIT – III
Digital IR Systems - Web IR: Meaning scope & characteristics, Types - On-line IR, Optical-disk based IR, OPAC and Web IR Search engines, Meta search engines, Subject Gateways, Institutional Repositories;

UNIT – IV
Search Techniques and Models: Boolean Search, Proximity Search, Truncation; Retrieval Models - Cognitive, Probabilistic; Retrospective Search Services.

UNIT – V
IR Evaluation – Criteria, Cost effectiveness, Cost benefit evaluation, Overview of the MEDLARS; Recent trends in IR.

Texts & References:

1. Chowdhury (G.G.): An introduction to modern information retrieval. 2nd ed. London: Facet, 2004.

2. Harter, Stephen P. Online information retrieval: concepts, principles and techniques, Academic Press.

3. Sarkhel, Juran Krishna. (2005). *Evaluation of indexing systems*. *In* MLII-102; Unit 5,p.177-208: Information Processing and Retrieval, Edited by S B Ghosh. New Delhi, Indira Gandhi National Open University.

4. Carol Peters, Martin Braschler, Paul Clough (2012). Multilingual Information Retrieval: From Research To Practice, Heidelberg: Springer

5. Pandey (2000). Library Information Retrieval, Anmol, New Delhi.

6. Kumar: Information Analysis, Repackaging, Consolidation and Information Retrieval; paper X and XI of UGC Model Curriculam, B R Publishing Corporation.

7. http://www.dcs.gla.ac.uk/Keith/Preface.html

17UPLIS1C09: RESEARCH METHODOLOGY

Unit – I

Research: Meaning, Need, Purpose, process; Types of Research: Fundamental and Applied Research, Qualitative and Quantitative Research, Logic and Scientific Research; Process of Research; Area of research in Library and Information Science; Research Ethics.

Unit – II

Research Design: Identification, Selection and Formulation of a Research Problem, Characteristics of research problem, sources of information; Hypothesis: Definition and types, testing hypothesis; Literature Search and Review of Literature; Research Methods: Scientific, Historical, Descriptive, Survey, Observation, Experimental, Case-Study, Delphi and Interview method.

Unit – III

Data Collection and Presentation: Questionnaire, Interview, Observation, Library records, Reports their advantages and disadvantages; Sampling: Types of sampling-random, and purposive sampling, systematic sampling, cluster, multiphase sampling, sampling errors; Data presentation: Tabulation and generalization. Graphical presentation of data.

Unit – IV

Data Analysis: Editing, Coding and De-Coding, Tabulation; Application of Statistical Packages: Measures of central tendency, Z-test, T-test, Correlation, Regression linear and Non-linear, Chi Square Test; Graphical presentation of Data.

Unit – V

Report Writing: Characteristics and organisation of report; Style Manuals: Modern Language Association (MLA) – American Psychological Association (APA) -Chicago Style Manual: Plagiarism.

Texts & References:

1. Busha, Charles H. and Harter, Stephen P. Research Methods in Librarianship: Techniques and Interpretation. New York: Academic Press, 1980.
2. Gopal, M. H. An Introduction to Research Procedure in Social Science. Bombay: Asia, 1964.
3. Krishan Kumar. Research Methods in Library and Information Science, New Delhi Vikas; 1992.
4. Ravichandara Rao, I. K. Qualitative Methods for Library and Information Science. New Delhi: Wiley Eastern, 1985.
5. Simon, J. L. Basic Research Methods in Social Science: The Art of Empirical Investigation, 1989.
6. Young, Pauline V. and Schmid, C. F. Scientific Social Surveys and Research. New Delhi: Prentice Hall, 1984.
7. Devarajan, G. Research in Library & Information Science. New Delhi; Ess Ess, 2002
8. Kothari, C. R. Research Methodology – Methods & Techniques. New Delhi; New Age, 2014.
9. Panda, B. D. Research Methodology for Library Science. New Delhi; Anmol, 1997.
10. Santhosh Gupta. Research Methodology and Statistical Techniques. New Delhi; Deep and Deep, 2000.
11. Sehgal, R. L. Applied Statistics for Library Science Research. 2 Vols. New Delhi; Ess Ess, 1998.
12. Connaway, Lynn Silipigni & Powell, Ronald R. (2010). Basic research methods for librarians. 5th ed. Santa Barbara, CA: Libraries Unlimited.
13. Bhattacharyya, D K: Research Methodology. New Delhi: Excel Books India, 2009.
14. Singh, Y. K: Research Methodology, New Delhi: APH Publishing, 2010.

17UPLIS1C10: KNOWLEDGE MANAGEMENT

Unit - I

Knowledge Management: Concept – Need – Understanding Knowledge; Types of knowledge – Changing role of library and Information professionals.

Unit - II

Knowledge creation and capturing, knowledge creation model – Expert System

Unit - III

Knowledge codification and organization: Knowledge Mapping, decision trees, decision tables etc.

Unit - IV

Tools and Technologies for Knowledge Management– SharePoint, Technical Writing – Legal and ethical issues in Knowledge Management

Unit - V

Knowledge Management Practices in Academic, special, Corporate and Research Libraries, Artificial Intelligence, and Virtual Reality, Case Studies.

Texts & References

1. Awad, E.M & G.H.M – Knowledge Management, Second Edition, PHI, New Delhi, 2013.
2. Dalkir, Kimiz, Knowledge Management, Second Edition, PHI, New Delhi, 2013.
3. Hayes – Roth, F. and Jacob stein, N- State of Knowledge based systems 1994.
4. Birkowitz, W.R. Knowledge Management . PHI, New Delhi, 2000.
5. Hildebrand, C. Information Mapping: Guiding Principles. CIO,8(18)July1995, pp60-64.
6. Mishra, J.K. (2009) Knowledge Management: Complexity, Learning and Sustainable Innovation. Coronet Books. Springer, Newyork, 2005.
7. Mohammad Nazim and Bhaskar Mukherjee (2016) Knowledge Management in Libraries Concepts, Tools and Approaches, Imprint of Elsevier.
8. Valerie Forrestal and Ellyssa Kroski (2015) Knowledge Management for Libraries, Rowman & Littlefield.
9. Jennex Murray E., (2005) Case Studies in Knowledge Management, Idea Group.

17UPLIS1C11: PRESERVATION AND CONSERVATION OF LIBRARY RESOURCES

Unit - I

Preservation and Conservation – Meaning, Need and Importance – Hazards to Information materials – Environmental factors – Biological factors – Chemical factors – Other factors

Unit - II

Evolution of Information materials- Clay tablets to Electronic form; Durable and Nondurable and Perishable and non-perishable writing materials.- Preservation in Ancient Times-Preservation of Palm Leaves and Leather Bound materials

Unit - III

Methods of Preservation and Conservation; Physical methods- Preservation and Conservation of Library building- Binding, Mending, Restoration & Guarding; Lamination, Leaf casting, Encapsulation- Chemical methods ; Fumigation; De-acidification

Unit - IV

Preservation of Non-Print materials-Use of Micrography and Reprography as a means of Preservation- Digital Preservation- Strategies, Methods and Challenges

Unit - V

Archives – Structure and Functions of Tamil Nadu Archives and National Archives of India

<u>Texts & References:</u>

1. Preservation in Libraries: Perspectives, Principles and Practices by P.K.Mahapatra and B.Chakrabarti. Ess Ess Publications, New Delhi, 2003
2. Preservation of Library Archival and Digital Documents by L.S.Ramaiah and G.Sujatha. Ess Ess Publications, New Delhi, 2008
3. Preservation and Conservation for Libraries and Archives by Nelly Ball Offet and Jenny Hille. Ess Ess Publications, New Delhi, 2009
4. Chakraborthi, M. L. Bibliography in theory and practice. Second edition. Calcutta: World Press, 1975. 5. Deegan, Marilyn and Tanner, Simon. Digital Futures: Strategies for the Information Age. London: Library Association Publishing, 2002
5. Mukherjee, B. B. Preservation of Library Materials, Archives and Documents. Calcutta: World Press.1975
6. Mittal. R. L. Library Administration: Theory and Practice.
7. Petherbridge, G (1987). Conservation of Library and Archive materials and the graphic art. London: Butterworth.
8. Ranganathan, S. R. Physical Bibliography for Librarians. Second edition. Bombay: Asia Publishing House or Bangalore: Sarada Ranganathan Endowment for Library Science,1974
9. Vijay Kiran, A. and Ramesh Babu, B. (2005). Digital Preservation. In: National Workshop on Recent Trends in Digitization: Course Material, edited by B. Ramesh Babu and S. Gopalakrishnan. Tirupati: TTD & FIC.

17UPLIS1P04: LIBRARY AUTOMATION AND DIGITAL LIBRARY

Hands-on Training:

1: Library Automation Softwares: WINISIS, LIBSYS, KOHA

2: Digital Library Software Packages: Greenstone and D-space

3: Web Technologies: Weblog; Website; Mobile Applications

Supportive Course II (Offered by Other Departments)

17UPLIS1P05 – Internship – 3 Weeks

Elective I & II (choose from list of electives offered)

17UPLIS1P06: MULTIMEDIA TOOLS

Hands on Training

- Speech synthesis and recognition

- Remote access and management

- Bibexcel

- CiteSpace

- CoPalRed

- IN-SPIRE

- VOSViewer

- HistCite

17UPLIS1P07: PROJECT DISSERTATION AND VIVA VOCE

LIST OF ELECTIVE COURSES

17UPLIS1E01: MARKETING OF INFORMATION PRODUCTS AND SERVICES

Unit – I
Information as a Resource: Economics of Information – Marketing Concepts – Marketing Strategies – Marketing in LIS.

Unit – II
Portfolio Management – BCG Matrix Model – Product Market Mix – Product Life – Cyle – Pricing Information

Unit – III
Marketing Mix – Kotler's Four C's – McCarthy's Four P's

Unit – IV
Marketing Plan and Research – Market Segmentation and Targeting – Geographic and Demographic Segmentation – Behavioral Segmentation – User Behaviour and Adoption

Unit – V
Information and Publishing Industries – National and International – Online Marketing, Marketing of Information Products and Services

<u>Texts & References:</u>

1. Abhinandan K. Jain, Ashok Jambhekar, Rama Rao, T.P. and Sreenivas Rao, Marketing Information Products and Services: A Primer for Librarians and Information Professionals, Tata McGraw-Hill, United States, 1999.
2. SAEZ (Eileen Elliott de) Marketing concepts for libraries and information services. Ed.2. London: Facet Publishing, 2002,
3. Narayana, G.J. Library and Information Management, New Delhi, PHI, 1991.
4. Weingand, D.E. Marketing for Information Agencies, Ablex Publishing, NJ, 1984.
5. Sharma, S.D. et al., Marketing Strategies and New Challenges, Anmol Publications Pvt. Ltd., New Delhi, 1999.
6. Hare Ram Singh, E-Marketing, Anmol Publications Pvt. Ltd., New Delhi, 2011
7. Bahuguna, Pallavi, International Marketing, Anmol Publications Pvt. Ltd., New Delhi,2011.
8. Philip T. Kotler, Principles of Marketing, Pearson Publications, Gary Armstrong, University of North Carolina, 2016.

17UPLIS1E02: LIBRARY NETWORKS, CONSORTIA AND RESOURCE SHARING

UNIT – I
Resource Sharing: Meaning, Definition, Need, Advantages and Barriers; Collection Policy and Evaluation of e-resources; Resource Sharing through Networks.

UNIT – II
Library Networks: Definition, Need, Library Networks in India: MYLIBNET, CALIBNET, DELNET, BONET, PUNENET, MALIBNET, HYLIBNET, NICNET, ERNET, INFLIBNET and BTISNET etc.

UNIT – III
Library Networks at International Level: OCLC, CURL, JANET, CALIS and AARLIN

UNIT – IV
Consortium: Meaning, Kinds of Consortia, Services offered by Consortia, Advantages and disadvantages of Consortia.

UNIT - V
National: INDEST, UGC-Infonet, MCIT Library Consortium and ICARNET; and International context in Consortium, ICOLC.

Research Library Group (RLG) RLIN

Text & References:

1. Balakrishnan,Shyam Networking and the future of libraries. New Delhi: Ess Ess, 2000.
2. Jha, Pavankumar. Library Networks and Network based Information Services in India
3. Kaul, S. Information Resource Sharing Models in Developing Countries: a network emerging from the World Bank supported environmental management capacity building project. http://www.fh-posdan.de/~IFLA/INSPEL 01-1kasu.pdf
4. Prasad, Kiran. Information and Communication Technology. New Delhi: B.R. Publishers, 2004
5. Ramamurthy, C.R. Globalisation and Library Information Networking. New Delhi: Author Press, 2003
6. Manjunatha,K.&Shivalingaiah,D.: Electronic resources sharing in Academic libraries
7. www.alibnet.org
8. www.calibnet.org
9. http://delnet.nic.in
10. http://www.angelfire.com/in/malibnet
11. http://www.inflibnet.ac.in
12. http://www.mylibnet.org
13. http://dsl.drdo.gov.in
14. http://malibnetonline.com/

17UPLIS1E03: ELECTRONIC INFORMATION RESOURCES

Unit - I

Types of Electronic Information resources – Electronic Documentary – characteristics – Scope. Primary, Secondary and Tertiary sources

Unit –II

Electronic Ready Reference Sources –Types and value - Electronic Dictionaries, Electronic Encyclopedias, Electronic Biographical sources, Electronic Handbooks and Manuals.

Unit - III

Electronic Bibliographical sources – Electronic Citation Sources, list of serials; Union Catalogues; – Indexing and abstracting sources, news summaries.

Unit – IV

Digital Resources: E-Books, E-Journals, Databases and ETD, – Subject Gateways; Web

Portals

Unit - V

Evaluation of Electronic Information sources – Print Reference sources; Web Resources

Text & References:

1. Alan Poulter, Gwyneth Tseng and Goff Sargent : The Library and Information Professional's Guide to the World Wide Web. London : Facet Publishing, 1999.
2. Bangalore, 2000.
3. G. G. Chowdhruy and Sudatta Chowdhury : Searching CD-ROM and Online Information Sources. London : Facet Publishing, 2001.
4. G. G. Chowdhury and Sudatta Chowdhury. Information Sources and Searching on the World Wide Web. London : Facet Publishing, 2001.
5. Gopinath, M.A : Information Sources and Communication Media. DRTC Annual Seminar, Bangalore-1984 .
6. Grogan, Dennis: Science & Technology : An Introduction to Literature, London, Clive Bingley,1982.
7. Kundan godia, Electronic Services in Library and Information Science,New Delhi, Adhyayan Publishing & Distributors,2007.
8. Jogender Singh Burman, Libraries and Reference Services, New Delhi, Rajat Publications, 2007.
9. Linda S Katz Library Users and Reference Services (Reference Librarian) Routledge (May 2013)
10. Higgens, Gavin. Printed Reference Meterials. London: Library Association,1980
11. Katz, W.A : Introduction to Reference Work, ,London, Butterworths,2000, 2V.
12. Madan Mohan Sinha Use of New Technology in Library Reference Services, Anmol Publications (2012), New Delhi
13. S. K. Bajpai Reference Services In Libraries, Friends Publications (2008), New Delhi
14. Rothenberg, Jeff. Avoiding Technological Quicksand: Finding a Viable Technical Foundation for Digital Preservation. A Report to the Council on Library and Information Resources. Council on Library and Information Resources, 1755 Massachusetts Ave., NW, Washington, DC 20036, 1999.
15. Garvey, W. D. (2014). *Communication: the essence of science: facilitating information exchange among librarians, scientists, engineers and students*. Elsevier.
16. Galliers, R. D., & Leidner, D. E. (2014). *Strategic information management: challenges and strategies in managing information systems*. Routledge.
17. Johnson, P. (2014). *Fundamentals of collection development and management*. American Library Association.

17UPLIS1E04: PUBLIC LIBRARY SYSTEM AND SERVICES

Unit I

Public Library: Basic Concepts – Public Library: Origin and Growth – Public Library and Society – Agencies in the Promotion and Development of Public Library System – National Library Policy and Library Legislation

Unit II

Public Library System: Resource Development – Development Plans and Resource Mobilization – Financial Resources – Physical and Documentary Resources – Human Resources

Unit III

Management of Public Library System – Organisational Structure of Public Library System – Planning and Administration of Public Libraries – Public Library Norms, Standards and Guidelines – Governance of Public Libraries – Performance Evaluation

Unit IV

Public Library Services – Types of Library Services – Application of Information Technology in Public Library Services

Unit V

Public Library Scenario in India, UK, USA and Canada

17UPLIS1E05: BIBLIOMETRICS

Unit I

Meaning, Features, Bibliometrcis, Librametrics, Scientometrics, Informetrics, Webometrics, Cyber metrics and Altmetrics

Unit II

Laws and Applications of Bibliometric, Other Empirical Laws of Price, Garfield, Sengupta, etc.

Unit III

Techniques: Citation, Co-word, Co-Citation analysis, Network analysis, collaboration, Bibliographic Coupling, Impact Factor, h-index, half-life, g-index.

Unit IV

Bibliometric tools: Web of Science, SCOPUS, Google Scholar, PoP.

Unit V

Application of Quantitative and Qualitative tools and techniques in LIS Research

Suggested Readings:

1. Baker S L. and Lancaster S W. Measurement and evaluation of library services. 2ed. Arlinglon, Information resources press, 1991.
2. Carpenter R L. and Vasu E S. Statistical methods for librarian. Chicago. ALA, 1979. 30
3. Donohue, J C. Understanding scientific literature. A Bibliometric approach. London: MIT. 1990.
4. Egghe, L and Rousseau R. Introduction to Informetrics: Quantitative methods in Library, Documentation and Information Science. Amsterdam, Elsevier. 1990.
5. Garfield, E. Citation Indexing Its theory and application in science and technology and humanities. John Wiley, New York. 1979.
6. Hernon. P. Statistics: A component of the research process. Assblex, 1991.
7. Hernon. P. Handbook of statistics for library decision making. Ables 1989. 8. Hjerppe R. An outline of bibliometric and citation analysis. Stockholm: Royal institute of technology library, 1980.
8. Kraft D H. and Boyce B R. Operations research for libraries and information agencies: techniques for the evaluation and management decision alternative. San Diego: Academic Press. 1991.
9. Mores P M. Library effectiveness: A system approach. Cambridge: The MIT Press. 1968

17UPLIS1E06: USER EDUCATION AND COMMUNICATION

Unit – I

Basics of Information Literacy : Meaning, Definition, Need, Importance   Historical perspective of Information literacy. User education on information literacy

Unit – II

Types of Information Literacy, Library Literacy, Technology literacy, media literacy, computer and digital literacy.

Unit – III

Information literacy Models and Standards, SCONUL model and Empowering 8 model. B-6, Seven Pillar, ELLIS. Guidelines and standards for Information literacy programs: ALA, IFLA ACRL. Taskforces and forums.

Unit – IV

Information Literacy and higher education, Role of Libraries in Information literacy. Information literacy in India, LIS profession.

Unit - V

Information Literacy Competencies, Challenges of Information literacy. Information literacy instructions in different types of Library and Information centers. Trends in Information Literacy.

17UPLIS1E07: DIGITAL CONTENT MANAGEMENT SYSTEMS

Unit – I

Introduction; Digital document management, records management, digital asset management. Principles of CMS. CMS Architecture. System and data integration in CMS. Applications. CMS and Community Information Systems.

Unit - II

Content Management Software Drupal, Joomla, TCP/IP, FTP, SSHD. Web servers: Apache etc.

Unit – III

Content Management Tools and techniques: Drupal, Portal, e-learning, Content Manageement Practice

Unit – IV

Content Organizations in the Digital Space Indexing and knowledge representation KOS, ontology and topic maps

Unit –V

Case studies – Content Management system in Corporate and Special Libraries

Selected Reading;

1. Michael, E.D. Koenig,Knowledge Management Lessons Learned, New Delhi, Ess Ess Publications,2008
2. Al-Hawamdeh, Suliman (2003). Knowledge Management : cultivating knowledge professionals. Oxford : Chandos Publ.
3. Arvidsson, Niklas (2000). Knowledge management in the Multinational enterprise. p.176-163 IN The Flexible firm : capability management in network organizations/edited by Julian
4. Holsapple, Clyde W. (ed.) (2003). Handbook on Knowledge Management 1 : Knowledge Matters. New Delhi : Springer
5. Tiwana, Amrit. The knowledge management toolkit: practical techniques for building a knowledge management system. Prentice Hall PTR, 2000.

17UPLIS1E08: SPECIAL LIBRARY AND INFORMATION SYSTEMS

Unit – I

Special Library: Meaning, Definition, Types, Scope, Function and Objectives, Role and Importance, Evaluation of special libraries.

Unit – II

Development of Special Libraries in India, Status of Special Libraries in India, SAARC, BRICS.

Unit – III

Special Libraries- Funding, Services and Collections, Consortia and Resource in Special Libraries.

Unit – IV

Organizations and Functions of Information Systems – NISCAIR – NASSDOC – DESIDOC – SENDOC – National Knowledge Networks.

Unit – V

International Information System – UNISIST – AGRIS – INIS – MEDLARS – INSPEC – BIOSIS – CAS (Chemical Abstract Service) – OCLC

Texts & References

1. Krishnan, R.K., Special Library System and Information Services, Anmol Publications Pvt. Ltd., New Delhi, 2013.
2. Panda, B.D., Towards A Special Library System, Anmol Publications Pvt. Ltd., New Delhi, 1992.
3. http://speciallib.blogspot.in/ accessed on 27th February 2017.
4. Gurdev Singh (2013), Information Sources, Services and Systems, PHI Learning Pvt. Ltd.

17UPLIS1E09: INTELLECTUAL PROPERTY RIGHTS

Unit-I

Intellectual Property Rights – Definition-Need and Purpose- Forms of IPR –IPR in Digital Era- Right to Information – Definition – Need and Purpose

Unit-II

Copyright Law – Copyright Act-– Need –Violations of the Copyright Law –in Pre-Information Technology

Unit-III

Cyber Crimes –Definitions –Types of Cyber Crimes-Protections

Unit-IV

Cyber Laws - Copyright status - Digital Information system in Libraries International Status- Implementation

Unit-V
Legislati
on- Control and Supervision-Merits and Demerits-Patents –Standards

Reference:

1. Mahajan, V.D.Jurisprudence and Legal Theory. Easter Books, New Delhi, 2001
2. Narayan,P.S. Intellectual Property Law in India.Gogia Law Agency, Hyderabad, 2001
3. Sharma,B.Copy right Law in respect of Books. Federation of Indian publishers, New Delhi, 2006
4. Satarkar.S.P Intellectual Property Rights and Copyright, Ess Ess Publications, New,Delhi, 2003

17UPLIS1E10: ACADEMIC LIBRARY SYSTEM

Unit – I

Academic Library: Meaning, Types and Functions, types of user, user needs, Role of UGC, AICTE and other Bodies in Academic Libraries development, NAAC and NBA

Unit – II

Collection Development: - Selection of Resources, Nature, Types and Policies. Financial Management of Academic Libraries, Curriculum and Collection Development, Human resource management.

Unit – III

Library Authority and Library Committee – Financial Managment – Allocation of Funds to Academic Libraries, Statistics – Files and Records.

Unit – IV

Resource Sharing – Need and Objectives, Consortia – Types, INFLIBENT - INFONET - INDEST –and its Implications to Library Resource Sharing, Library Networks in India and International, NPTEL.

Unit – V

Information Literacy Programme in Academic Libraries – Academic Library Repositories, Future trends in academic library development.

Texts & References:

1. Krishnan Kumar and Sesh Patel, Libraries and Librarianship in India, New Delhi, Viva Books, 2001.
2. Dr.Rajiv, R., Paithankar. R, Academic Libraries in Modern Era, Oxford Book Company, Rajasthan, 2012.
3. Aggarwal. B.S., Collection Development and Collection Management, Oxford Book Company, Rajasthan, 2005.
4. Devarajan, G, Resource Development in Academic Libraries, New Delhi, Ess Ess Publication, 1999.
5. Usha Devi, S.P. University and College Libraries, New Delhi, Ess Ess Publication, 2000
6. Shri Nath Sahai, Academic Library System, Ess Ess Publications, New Delhi, 2009.

LIST OF SUPPORTIVE COURSES

17UPLIS1S01: INFORMATION RESOURCES ON STEM

UNIT – I

Science – Natural, Physical Science, Engineering and Technology; Types of Information Sources: Documentary, Non Documentary – Print and Non-Print-Electronic, Primary, Secondary, Tertiary sources, Internet source, Grey Literature.

UNIT – II

Ready Reference Source – Types and Value – Dictionaries, Encyclopedias –Biographical – Handbooks and Manuals – Geographical – Abstracting and Indexing sources.

UNIT – III

Journal article Databases: IEEE / IEL Electronic Library / Xplore, ACM, ASME, ASCE, ASTM, Science Direct, ProQuest, EBSCO, IET, Gale Cengage, American Chemical Society, American Institute of Physics, American Mathematical Society, BioMed Central, Wiley Blackwell, DOAJ, NOPR, Royal Society of Chemistry, IndMED.

UNIT – IV

Bibliographical Databases: Scopus, Web of Science, Index Copernicus, Google Scholar, Ei Compendex, SciFinder Scholar, MathSciNet, JCCC.

UNIT – V

Institutional Repositories: OPEN DOAR, Indian Open Access Repositories (OAJSE)

Text & References:

1. Gurdev, Signh, Information Sources, Services and Systems, Delhi , PHI Learning Private Limited, 2013.
2. Gorman, Digital Features in Information and Library Services, Chennai, Allied Publishers, 2002.
3. http://guides.lib.purdue.edu/stemed
4. http://paniit.iitd.ac.in/indest/index.php/e-resourc
5. https://www.scopus.com/home.uri
6. https://apps.webofknowledge.com
7. http://www.rsc.org/
8. https://doaj.org/
9. http://www.opendoar.org/
10. http://roar.eprints.org/
11. http://www.oajse.com/rioar_a-z_list.htm

17UPLIS1S02: OPEN EDUCATIONAL RESOURCES

Unit -I

Concept of Open Educational resource, Types of OER, difference between Proprietary and Open source, Contrast between Open and Free resources.

Unit-II

E-Journals: DOAJ, OAJSE, Indian Academy of Science, High wire, NISCAIR Online Periodicals Repository E-Books: DOAB, Audible Books, Digital Library of India, OER Common, Project Gutenberg, Utah Open Textbook, E-Pustakalaya

Unit – III

Courseware: Sakshat Portal, MIT Course, NPTEL, Egyankosh, CEDT, SciGate, Khan Academy, MERLOT, NIOS, eGyanKosh

Unit- IV

Institutional Repository: Open DOAR, OAJSE, National Repository of Open Educational Resources (NROER)

Unit-V

Development of Open educational resources in India

Text & References:

1. https://www.oercommons.org/
2. https://doaj.org/
3. http://www.oajse.com/
4. http://www.ias.ac.in/
5. http://nopr.niscair.res.in/
6. http://www.doabooks.org/
7. http://www.olenepal.org/e-pustakalaya/
8. http://www.sakshat.ac.in/
9. http://nptel.ac.in/
10. https://www.merlot.org/merlot/index.htm

17UPLIS1S03: INFORMATION SEARCH STRATEGIES AND TECHNIQUES

Unit-I

Information retrieval –Fundamental-Information retrieval system - Quantitative Information - Qualitative Information.

Unit-II

Search tools –Vocabulary control tools-Thesaurus-Management of Client- Server Technology.

Unit-III

Search strategy –Search formulation-Search statement-Citation searching other variations in search tools.

Unit-IV

Search techniques- Boolean logic Truncation- Weighted term logic--Boolean Searching – Sorting techniques.

Unit V

Information retrieval evaluation criteria –Major information retrieval studies- ASLIB Crane field study, MEDLARS-SMART-FAIRS-TREC.

<u>Text & Reference:</u>

1. Salton, G, and MCGill, M.J. Introduction to Modern information Tetrieval.Magraw Hill, New York, 1986
2. Chowdhury, G.G Introduction to modern Information Retrieval, Facet Publishing, 2009
3. Utpal K.Banerjee Management Strategy for Information Technology, Concept Publishing Company , 2008
4. Korfhage, Robert R. Information storage and retrieval New York: John Wiley &Sons,
5. Salton,G.,&McGill, M.J. Introduction to modern information retrieval. New York: McGraw-Hill.
6. Lancaster, F.W. Information Retrieval Systems. New York: John Wiley & Sons, 1979

17UPLIS1S04: INFORMATION SOURCES

Unit - I

Information Sources: features, Documentary Sources: Primary, Secondary and Tertiary and Institutional documents.

Unit - II

Print and Digital information sources, Evaluation of Information Sources

Unit – III

Reference sources, Bibliographical sources, Geographical sources, Citation Sources.

Unit - IV

E-Resources – Databases – Commercial – Open - DOAJ

Unit – V

Open access resources –Institutional Repositories.

<u>Texts & References</u>

1. G. G. Chowdhury and Sudatta Chowdhury: Searching CD-ROM and Online Information Sources. London : Facet Publishing, 2001.

2. G.G. Chowdhury and Sudatta Chowdhury. Information Sources and Searching on the World Wide Web. London : Facet Publishing, 2001.

3. Kumar (P.S.G). Ed. Indian Encyclopedia of Library & Information Science. New Delhi : S. Chand & Co., 2001.

4. Sewasingh: Hand book of International Sources on Reference and Information New Delhi: Crest Publication,2001.

5. Sharma,J.S & Grover, D.R : Reference Service and Sources of Information, New Delhi: EssEss, 1998.

6. Subramanayam, K : Scientific and Technical Information Resources, New Delhi

17UPLIS1S05: E - RESOURCES

Unit - I

Types of Electronic Information resources – Electronic Documentary – characteristics – Scope. Primary, Secondary and Tertiary sources

Unit –II

Electronic Ready Reference Sources –Types and value- Electronic Dictionaries, Electronic Encyclopedias, Electronic Biographical sources, Electronic Handbooks and Manuals.

Unit - III

Electronic Bibliographical sources – Electronic Citation Sources, list of serials; Union Catalogues; – Indexing and abstracting sources, News summaries.

Unit – IV

Digital Resources: E-Books, E-Journals, Databases and ETD, – Subject Gateways; Web

Portals

Unit - V

Evaluation of Electronic Information sources – Print Reference sources; Web Resources

Text & References:

1. Alan Poulter, Gwyneth Tseng and Goff Sargent : The Library and Information Professional's Guide to the World Wide Web. London : Facet Publishing, 1999. Bangalore, 2000.
2. G. G. Chowdhruy and Sudatta Chowdhury : Searching CD-ROM and Online Information Sources. London : Facet Publishing, 2001.
3. G. G. Chowdhury and Sudatta Chowdhury. Information Sources and Searching on the World Wide Web. London : Facet Publishing, 2001.
4. Gopinath, M.A : Information Sources and Communication Media. DRTC Annual Seminar, Bangalore-1984 .
5. Grogan, Dennis: Science & Technology : An Introduction to Literature,   London, Clive Bingley,1982.
6. Kundan godia, Electronic Services in Library and Information Science,New Delhi, Adhyayan Publishing & Distributors,2007.
7. Jogender Singh Burman, Libraries and Reference Services, New Delhi, Rajat Publications, 2007.
8. Linda S Katz Library Users and Reference Services (Reference Librarian) Routledge (May 2013)

MLIS Degree Examinations - Model Question Paper

17UPLIS1C01: FOUNDATIONS OF LIBRARY AND INFORMATION SCIENCE

Maximum: 75 Marks   **Time: 3 Hours**

Part-A (10 x 2 = 20)

Define the following:
1. Information
2. ICT
3. Library Legislation
4. Consortia
5. ILA
6. IFLA
7. Communication
8. Knowledge Commission
9. RRLF
10. Information Transfer

Part – B (5 x 5 = 25)

Answer All Questions

11. (a) What are the Characteristic features of Information?

(or)

(b) Identify the factors influencing the Information Transfer Cycle

12. (a) Distinguish between formal and Informal Channels of Communication

(or)

(b) Explain Communication models of Mass Media

13. (a) Discuss the Laws of Library Science

(or)

(b) Describe the role of IASLIC

14. (a) Write briefly on Library Legislation in India

(or)

(b) Write briefly on RRRLF

15. (a) Trace the evolution of LIS School in India

(or)

(b) Write briefly on Delivery of Books and Newspaper Act

Part – C (3 x 10 = 30)

Answer Any Three:

16. Discuss the impact of Socio-Economic Factors on information Centers

17. Explain the Channels and Barriers of Communication

18. Describe the Professional Ethics of Librarian

19. Write an essay on Library Information Networks

20. Trace the Growth of UNESCO

MLIS Degree Examinations – Model Question Paper
17UPLIS1C05: INFORMATION SOURCES AND SERVICES

Maximum: 75 Marks   **Time: 3 Hours**

Answer All Questions:

Part – A – (10 x 2 = 20)

1. Information
2. Reference Service
3. Repositories
4. Listserv
5. Blog
6. Translation Service
7. Literature Search
8. Citation Databases
9. Information Literacy
10. DELNET

Part – B (5 x 5 = 25)

Answer All Questions:

11. (a) Explain the functions of Information System
                    (or)
    (b) Explain various methods of SDI Service
12. (a) Discuss the translation service and it's types
                    (or)
    (b) Bring out the Services of NISCAIR
13. (a) Write brief note on National Knowledge Networks
                    (or)
    (b) Describe the functions of DELNET
14. (a) Describe the Library Networks
                    (or)
    (b) Explain the objectives of INFLIBNET
15. (a) Evaluate the Alerting services with suitable examples
                    (or)
    (b) Describe the Various E-Databases

Part C- (3 x 10 = 30)

Answer Any Three questions:

16. Describe the various types of information sources with examples.

17. Explain the Current Awareness Service(CAS)

18. Discuss the SENDOC & DESIDOC

19. Explain various services in libraries

20. Detailed Discussion on Library Consortia in an India