PERIYAR UNIVERSITY

Periyar Palkalai Nagar, Salem-636 011
(Reaccredited with 'A' Grade by the NAAC)

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

M.Lib.I.Sc DEGREE

[Choice Based Credit System (CBCS)]

OBE REGULATIONS AND SYLLABUS

(Effective from the academic year 2018-2019 and thereafter)

M.Lib.I.Sc DEGREE

OBE REGULATIONS AND SYLLABUS
(With effect from the academic year 2018-2019 onwards)

1. Preamble

The Master of Library and Information Science is a program designed to meet the challenges of LIS profession. Students in the program are introduced to the roles and functions of libraries. They become familiar with key policy issues and technological trends, and with how these issues and trends affect libraries and information centers of all kinds. Students learn to manage and evaluate collections, respond to the information needs of patrons, and use technology to improve access to information. Students who complete the program are prepared for careers in library administration, public services, technical services, and collection development at public, school, academic, and special libraries.

2. General Graduate Attributes

LIS in Society: Students understand both the importance of information in modern society and the roles played by libraries, information organizations, information systems, services, and technologies in building and sustaining communities.

Knowledge Areas: Students applying the technical knowledge needed to do the job, including competence in library and information management.

Critical thinking skill: Students use this skill to evaluate information resources, technology, services and challenges in library administration.

Research: Students learned about the nature of scientific inquiry, the conduct of research, methods of collect, managing and analyzing data and the relationship among methods and evidence.

Problem Solving: students learn a variety of problem-solving tools and approaches in end of course to solve the issues.

Technical Skill: Students can apply appropriate strategies, tools, and technologies to represent, organize, and manage, preserve and dissemination of data and information.

Collaboration: To enable students' collaboration with other institute / friends / department faculty for knowledge, resource sharing and research

Communication: Career development skills including written and oral communication are necessary for work, function, and contribute as a member of a team.

Self directed learning: Students will engage in life-long learning, making effective use of the range of information resources for research and popular writings, professional organizations that support information work.

Career skills: students with a wide range of technological skills require for professional career.

Diversity: This emphasizes equal opportunity and diversity which lead to all the visitors in library.

Ethical Practice: Graduates practice for fulfilling careers characterized by ethical practice, and professional values through curriculum.

Sustainability: LIS degree programs with a global effort to change attitudes toward and behaviors involved in managing the world's resources. The syllabus meets the needs of present and future generations.

Social Responsibility: Students understand library and information professionals' roles in promoting and advocating for social responsibility on a contemporary issue through a major paper and resource guide.

3. **Programme Specific Qualification Attributes**

Mention the programme specific qualification attributes achieved through courses in the programme in terms of

- Knowledge and understanding level (K1 and K2)
- Application level (K3)
- Analytical level (K4)
- Evaluation capability level (K5)
- Scientific or synthesis level (K6)

4. Vision

Master of Library and Information Science produce innovative next generation library professionals capable to work in national and global levels.

5. Programme objectives and outcomes

PROGRAMME EDUCATIONAL OBJECTIVE (PEOs)

1. Graduates will manage Libraries and Other Information Organizations.
2. Graduates will succeed in higher studies and research.
3. Graduates of Library and Information Science will demonstrate highest integrity with ethical values, good communication skills, leadership qualities and self learning abilities.

PROGRAM OUTCOMES (PO's)

LIS course will enable the students

1. Students can understand the foundation and fundamental of LIS principles, philosophy, ethics, policies and legislations.
2. Students can manage information resources and the processes of collection development, organization, preservation, access, and dissemination of information in all formats.
3. Students can apply management concepts, effective problem solving, decision-making, in management of information and information services.
4. Students learn the national and international standards of cataloguing, metadata, indexing, and classification systems for organizing knowledge and information for easy retrieval.
5. Students learn the nature of the profession – Inter disciplinary, team work, and user centric.
6. Students know the role of library and information services, towards serving the needs of the society development.
7. Students can recognize the diverse needs of users and fulfill with appropriate and different formats of information resources.
8. Students can develop them to, evaluate and analyses about the resources and services.
9. Students understand the role of library and information services in a rapidly changing technological society.
10. Students can make use of the techniques, skills and Information and Communication Technology (ICT) tools, Software necessary for Library profession.
11. Students identify the research problem and conduct the research in the field of LIS, which includes metric studies and ICT.

12. Students gain the knowledge in conducting studies related to information needs and information seeking behavior of patrons.

6. Candidate's eligibility for admission

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.

7. **Duration of the programme**

The duration of the course is **Two years.** It consists of **FOUR** semesters under **Choice Based Credit System** (CBCS). The minimum requirement for a two year Master's programme shall be 90 credits.

8. CBCS- Structure of the Programme

The programme structure comprises of two parts.

Course Component	No. of Courses	Hours of Learning	Marks	Credits
Part A (Credit Courses)				
Core Courses	18			
Elective Courses	2			
Supportive Courses	2			
Research				
Online Courses	1*			
Total	23			
Part B (Self-Learning Credit Courses)				
Elective Foundation Courses				
Total				

9. Curriculum structure for each semester as per course alignment

Course	Number of Credits	Hours Per Week	Examination Duration (hrs)	Marks		
				I. A	ESE	Total
Semester-I						
Course-18UPLIS1C01 Foundations of Library and Information Science	4	4	3	25	75	100
Course-18UPLIS1C02 Introduction to Information Technology	4	4	3	25	75	100
Course-18UPLIS1C03 Management of Library and Information Centers	4	4	3	25	75	100
Course-18UPLIS1C04 Information Processing - Classification Theory	4	4	3	25	75	100
Course-18UPLIS1C05 Information Processing – Classification Practice (DDC & CC - Practical)	4	4	3	40	60	100
Course-18UPLIS1C06 Computer Lab Practice (Practical)	4	4	3	40	60	100
Total	24					600
Semester-II						
Course-18UPLIS1C07 Information Sources and Services	4		3	25	75	100
Course-18UPLIS1C08 Library Automation and Digital Libraries	4	4	3	25	75	100
Course-18UPLIS1C09 Information Processing - Cataloguing Theory	4	4	3	25	75	100
Course-18UPLIS1C10 Information Processing and Retrieval – Cataloguing Practice - AACR-II and UDC (Practical)	4	4	3	40	60	100

06PHR01 - Human Rights		4	3	25	75	100
Supportive – I	3	3	3	25	75	100
	19					600
Semester-III						
Course-18UPLIS1C11 Information Retrieval System	4	4	3	25	75	100
Course-18UPLIS1C12 Research Methodology	4	4	3	25	75	100
Course-18UPLIS1C13 Knowledge Management	4	4	3	25	75	100
Course-18UPLIS1C14 Preservation and Conservation of Library Resources	4	4	3	25	75	100
Course-18UPLIS1C15 Library Automation and Digital Library (Practical)	4	4	3	40	60	100
Course-18UPLIS1C16 Internship (Practical)	4	3 Weeks	3	40	60	100
Swayam / Mooc Course		4	-	-	-	-
Supportive – II	3	3	3	25	75	100
	27		3			700
Semester- IV						
Course-18UPLIS1E17	4	4	3	25	75	100
Course-18UPLIS1E18	4	4	3	25	75	100
Course- 18UPLIS1C19 Multimedia Tools (Practical)	4	4	3	40	60	100
Course-18UPLIS1C120 - Project: Dissertation & Viva-Voce	4	?	3	40	60	100
	20					400

10. Credit Calculation

Method of teaching	Hours	Credits
Lecture	1	1
Tutorial/Demonstration	1	1
Practical/Internship/self-Learning	2	1

11. Scheme of Examinations

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)

12. Examinations

Examinations are conducted in semester pattern. The examination for the Semester I & III will be held in November/December and Semester II and IV will be in the month of April/May.

Candidates failing in any subject (theory and practical) will be permitted to appear for such failed subjects in the same syllabus structure at subsequent examinations within **next 3 years**, failing which, the candidate has to complete the course in the present existing syllabus structure.

The distribution of marks for internal evaluation and End Semester Examination shall be 25 marks and 75 marks, respectively. Further, distribution of internal marks shall be 10 marks for test, 5 marks for seminar, 5 marks for assignment and 5 marks for attendance, respectively. The average of the highest two test marks out of the three internal tests should be taken for Internal Assessment.

13. Scheme for Evaluation and Attainment Rubrics

Evaluation will be done on a continuous basis and evaluated four times during the course work. The first evaluation will be in the 7th week, the second in the 11th week, third in the 16th week and the end – semester examination in the 19th week. Evaluation may be by objective type questions, short answers, essays or a combination of these, but the end semester examination is a University theory examination with prescribed question paper pattern.

Attainment Rubrics for Theory Courses (Time: 3 hours)

External: 75 Marks
Internal: 25 Marks
Total: 100 Marks

The following procedure will be followed for Internal Marks:
Theory Papers (Internal)

Best two tests out of 3: 10 marks
Attendance : 5 marks
Seminar : 5 marks
Assignment : 5 marks
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25 marks

Question Paper Pattern (Theory)

Section	Approaches	Mark Pattern	K Level	CO Coverage
A	One word (Answer all questions)	20X1 = 20 (Multiple Choice Questions)		
B	100 to 200 words (Answer any three out of five questions)	3X5 = 15 (Analytical type questions)		
C	500 to 1000 words	5X8 = 40 (Essay type questions)		

Attainment Rubrics for Lab courses

Practical: 40 Internal Marks

Attendance: 5 marks
Practical Test: 30 marks (Best 2 out of 3)
Record: 5 marks

Attainment Rubrics for Project

Internal Marks:	20 marks
Viva - voce:	20 marks
Project Report:	60 marks

14. Evaluation of performance of students is based on ten-point scale grading system as given below.

Ten Point Scale			
Grade of Marks	**Grade points**	**Letter Grade**	**Description**
90-100	9.0-10.0	O	Outstanding
80-89	8.0-8.9	D+	Excellent
75-79	7.5-7.9	D	Distinction
70-74	7.0-7.4	A+	Very Good
60-69	6.0-6.9	A	Good
50-59	5.0-5.9	B	Average
00-49	0.0	U	Re-appear
ABSENT	0.0	AAA	ABSENT

Re – Appear = RA

Semester I

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C01: Foundations of Library and Information Science	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Students understand the fundamental concepts and types of Libraries.												
CO2: To ensuring effective communication with variety of audience.												
CO3: Students familiar with codes of ethics & fundamental laws of library science.												
CO4: Students understand library legislation & RTI.												
CO5: To understand Role, functions and responsibilities of Library associations at the state, national and international levels.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C02: Introduction to Information Technology	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Students will attain knowledge of computer hardware and software.												
CO2: Students will attain an understanding encoding standards of computer.												
CO3: Students will understand the importance of operating system.												
CO4: Students will understand various computer network and different types of browser.												
CO5: Students can create and use Multimedia tools, spread sheets, Charts and graphs.												

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COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C03: Management of Library and Information Centers	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Students understood management principles and other cross-disciplinary perspectives to develop best practices in library and information centers.												
CO2: Understood the system of charging and discharging.												
CO3: Acquired knowledge on HRD, Budget, planning and their relationship to the library environment.												
CO4: Acquired knowledge to manage the information resources, including information acquisition, management, dissemination, organization and preservation.												
CO5: Able to facilitate the variety of audiences.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C04: Information Processing - Classification Theory	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Gained knowledge about the concepts of knowledge organization												
CO2: Students will understand the process related to construct classification number.												
CO3: Student will able to know various systems for classification												
CO4: To develop skills in document classification and content analysis.												
CO5: To acquired the knowledge on the online classification schemes.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C05: Information Processing –Classification Practice (DDC & CC - Practical)	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Students will understand the scheme of knowledge classification.												
CO2: Students will understand the process related to construct classification number.												
CO3: Student will capable of applying the classification rules.												
CO4: Student understands three systems of classification.												
CO5: Earned skills for classifying all documents including non book materials and micro documents.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C06: Computer Lab Practice (Practical)	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Student will able to Install and Uninstallation of Software.												
CO2: Students can able to Create and use various file formats.												
CO3: To learn the practical uses of ICT in libraries and information Centers.												
CO4: Students will learn various searching techniques to locate the information.												
CO5: Deploy Information Technologies in Effective and Innovative Ways**.**												

FOUNDATIONS OF LIBRARY AND INFORMATION SCIENCE

COURSE CODE: 18UPLIS1C01
MARKS : 100

HOURS:

L	T	P	C

Course Objectives

- To know the fundamental concepts of information and different types of Library and Information Systems & Centers
- To enable the students to understand the Communication Channels and its barriers.
- To enable the students to understand the importance of information in the context of social, political, cultural, economical and industrial environments.
- To enable the students to understand the relevance of Library profession.
- To know the role of information for the development of the society.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	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.	
II	Communication	Concepts, definition, theories and models, Channels and Barriers of Communication.	
III	Libraries & Professional Associations	Functions and Services; Five Laws of Library Science and its implications; Professional ethics; Role of Professional Associations: National and International Levels – ILA, IASLIC, IATLIS, IFLA and ALA	
IV	Library Legislation	Model Library Bill, Delivery of Books and Newspapers Act – Intellectual Property Rights – Information policy, Right to Information, Knowledge Commission.	
V	LIS School developments	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 Books:

1. Khanna, J.K. Library and Society. Kurushektra: Research Publication, 1987
2. Richerd E Rubin. Foundations of Library and Information Science. New York, Neal-Schuman Publishers. 2004.
3. UNESCO. National Libraries their problems and prospects. Paris.1960.
4. Rubin, Richard E. Foundations of Library and Information Science. Neal-Schuman Publishers, Inc., 100 Varick St., New York, 1998.
5. Reitz, Joan M. Dictionary for Library and Information Science. Libraries Unlimited, 2004.
6. Ranganathan, S. R. Five Laws of Library Science. 5th ed. Bangalore: Sarad Ranganathan Endowment for Library Science, 2006.
7. Venkatappaiah, Velage and Madhusudan, M. Public Library Legislation in the New Millennium: New Model Public Library Acts for the Union, States and Union Territories. Delhi: Bookwell, 2006.

Web Resources:

1. https://nios.ac.in/media/documents/SrSecLibrary/LCh-001.pdf
2. https://nios.ac.in/media/documents/SrSecLibrary/LCh-002.pdf
3. https://nios.ac.in/media/documents/SrSecLibrary/LCh-004.pdf
4. https://www.ilaindia.net/
5. http://www.iatlis.org/
6. http://www.iaslic1955.org.in/Default.aspx?PageID=62
7. https://www.ifla.org/
8. https://www.alastore.ala.org/content/chartered-institute-library-and-information-professionals-cilip

Course Outcomes

On successful completion of the course,

CO1 Students understand the fundamental concepts and types of Libraries.
CO2 To ensure effective communication with variety of audience
CO3 Students familiar with codes of ethics & fundamental laws of library science.
CO4 Students understand library legislation & RTI.
CO5 To understand Role, functions and responsibilities of Library associations at the state, national and international levels.

Introduction to Information Technology

COURSE CODE: 18UPLIS1C02
MARKS : 100

HOURS:

L	T	P	C

Course objectives

- To learn the basic concepts of Information Technology
- To learn the applications of Information Technology to Library routines and services in Information centers.
- To know the Networking technology and database management.
- To extend knowledge with personal computer for word processing, spread sheets and databases.
- To learn about the ICT application in Libraries and information centers

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	IT Basic Concept	Concept, Meaning and Definitions. Components – Impact of Information Technology on society – Computer and Communication Technologies, Types of computers – CPU, Storage and Input/output Devices, RAM and ROM, USB, Hard Discs, Scanners and Camera, Printers.	
II	Encoding Standards	Data presentation in Computers: Binary Number System, Character encoding standards – ASCII, BCD, EBCDIC and UNICODE.	
III	Software – OS	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.	
IV	Networks and Topologies	LAN, MAN, WAN – Internet - IP address and domain name system, Internet, Intranet – Web Technology: Web Browser, Search Engines – Hypertext, Hypermedia - Integrated Service Digital Network (ISDN) – Open System Inter connection (OSI).	
V	DBMS	Objectives, Characteristics and Design – RDBMS – Office Management: Word processing, Spreadsheet, Presentation Software, Database in LIS.	

Texts & Reference Books:

1. ITL Education Solutions Limited, Introduction to information technology, New Delhi, Pearson Publications, 2012.
2. Rajaraman, V., Introduction to Information Technology,3rd ed., New Delhi, PHI Learning Pvt. Ltd., 2018.
3. Rizwan Ahmed .P, Introduction to information Technology, Chennai, Margham Publications, 2013.
4. Rajiv R. Paithankar, Govind S. Ghogare, Information Technology in Library Science, Anmol Publications Pvt. Ltd., New Delhi, 2015.

Web Resources:

1. https://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/library_and_information_science/academic_libraries/11._ict_application_in_academic_libraries_and_its_impact-2/et/2010_et_11.pdf
2. https://www.nic.in/services-main-page/
3. https://www.inflibnet.ac.in/
4. http://www.delnet.in/
5. http://oer.nios.ac.in/wiki/index.php/ICT-Application

Course outcomes

On successful completion of the course,

CO1: Students will attain knowledge of computer hardware and software.
CO2: Students will attain an understanding encoding standards of computer.
CO3: Students will understand the importance of operating system.
CO4: Students will understand various computer network and different types of browser.
CO5: Students can create and use Multimedia tools, spread sheets, Charts and graphs.

MANAGEMENT OF LIBRARY AND INFORMATION CENTRES

COURSE CODE: 18UPLIS1C03 **HOURS**

L	T	P	C

MARKS : 100

Course objectives

- To know various concepts of Management and its Evolution.
- To understand the various managerial operations, planning and budgeting of Library and Information Centers.
- To apply the relevant management techniques in modern Library and Information Centers.
- To impart the techniques of library routines both physical and online environment.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Principles of Library Management	General Management Principles – Elements of Management - Library organization – structure Management School of Thoughts - Henri Fayal - Frederick Winslow Taylor (Scientific Management) - POSDCORB Levels of Management - Functional areas of management - Management by Objectives.	
II	Library Housekeeping Operations	Collection Development Policy and Procedure for Books and Non-Books materials –Selection Tools Various sections of libraries and information centers and their functions Acquisitions section – Conventional - Web based / online acquisition of reading materials Technical section Circulation section Periodical section; Reference Section Stock maintenance and Stock verification - Binding and Preservation - Weeding out policies.	
III	Financial Management	Sources of Library Finance Budget techniques and method - PPBS, Zero Based Budgeting Cost effective and cost benefit analysis Library Buildings, Furniture and Equipment.	
IV	Human Resource Management	Staffing - Recruitment – Staff formula - Training – Performance Appraisal - Motivation	

V	Managerial Tasks in Library Administration	Library Governance - Library authority - Library committee, need and functions - Library Ethics – Library rules and regulations – Norms for library (AICTE, UGC, MCI, etc.,) -Challenges for Librarianship in digital era.	

Texts & Reference Books:

1. Krishan Kumar : Library Administration and Management . New Delhi : Vikas , 1987.
2. Mittal, RL Library Administration: Theory and Practice. ESS ESS Publications, 2nd Edition, New Delhi.
3. Ranganathan , S.R. : Library administration . 2nd ed. Bombay, Asia
4. Ranganathan , S.R. : Library Book Selection, ESS ESS Publications, 2nd Edition, New Delhi.
5. Sethunath, V.S. and Ganesh kumar,M, Librarianship in Digital Era, Crescent Publication Corporation, New Delhi, 2012.
6. Praveen Kumar (Ed), Emerging Trends in Library and Information Science, ESS ESS Publications, New Delhi, 2013.

Web Resources:

1. https://nios.ac.in/media/documents/SrSecLibrary/LCh-015A.pdf
2. https://nios.ac.in/media/documents/SrSecLibrary/LCh-016A.pdf
3. https://nios.ac.in/media/documents/SrSecLibrary/LCh-011.pdf
4. http://www.lisbdnet.com/library-budget-objectives-methods/
5. http://epgp.inflibnet.ac.in/ahl.php?csrno=21

Course outcomes

On successful completion of the course,

CO1: Students understood management principles and other cross-disciplinary perspectives to develop best practices in library and information centers.
CO2: understood the system of charging and discharging
CO3: Acquire knowledge on HRD, Budget, planning and their relationship to the library environment
CO4: Acquire knowledge to manage the information resources, including information acquisition, management, dissemination, organization and preservation.
CO5: Able to facilitate the variety of audiences.

INFORMATION PROCESSING – CLASSIFICATION THEORY

COURSE CODE: 18UPLIS1C04 **HOURS**

L	T	P	C

MARKS : 100

Course Objective

- To understand the concepts of knowledge organization.
- To learn the various classification schemes.
- To know the methods related to designing depth schedule and the use of technologies in library classification.
- To learn the classification of Print and non print resources

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Basic Concepts	Meaning, Definition, purpose, Needs, Functions; knowledge classification and book classification; Understanding Different types of classification – Enumerative and Analytico – Synthetic Schemes	
II	Formation of subjects, Plane of works	Basic, Primary, Compound and Complex Subjects; Normative principles and their applications; Notation Concepts, Features, Qualities; Three plans of work.	
III	Theory of Library Classification	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	
IV	Schemes of Library Classification	DDC, UDC, CC and Broad system of Ordering (BSO) Structures and Features; Parts of Call Number	
V	Trends and Future of Library Classification	Classification of Digital Resources; Recent Developments in Classification – Web Dewey, Role of Classification Research Group (CRG)	

Text & Reference Books:

1. Krishan Kumar: Theory of Classification, South Asian books, 1st Ed, 1979
2. Krishan Kumar : Theory of Classification, 2nd rev. ed. Delhi, Vikas, 2001.
3. Shabahat Husain. Library Classification: Facet and Analysis. Ed. 2 Rev. Delhi, B.R.Publishing Corporation, 2004
4. Susan Batley : Classification in theory and practice, 2nd Ed, chandos publishing 2014.
5. Kamal Dogra: Theory of Library Classification, Centrum Press, New Delhi, 2013

Web Resources:

1. https://nios.ac.in/media/documents/SrSecLibrary/LCh-010.pdf
2. https://nios.ac.in/media/documents/SrSecLibrary/LCh-011.pdf
3. https://nios.ac.in/media/documents/SrSecLibrary/LCh-009.pdf

Course Outcomes

On successful completion of the course,

CO1: Gain knowledge about the concepts of knowledge organization.
CO2: Students will understand the process related to construct classification number.
CO3: Student will capable of applying the classification rules.
CO4: Student will able to know various systems for Classification.
CO5: To acquire the knowledge on the online classification schemes.

Information Processing –Classification Practice (DDC & CC - Practical)

COURSE CODE: 18UPLIS1C05 **HOURS**

L	T	P	C

MARKS : 100

Course objective

- To gain practical knowledge about classification schemes.
- To know the process related to construct classification numbers for library resources (DDC, UDC & CC).
- To learn the library classification practice using DDC 22nd ed and CC

Texts & Reference Books:

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

Web Resources:

1. http://krishikosh.egranth.ac.in/bitstream/1/2061823/2/IISR-7.pdf
2. https://en.wikipedia.org/wiki/Dewey_Decimal_Classification
3. https://www.oclc.org/en/dewey/features/summaries.html

Course outcomes

On successful completion of the course,

CO1: Students will understand the scheme of knowledge classification. Demonstrate understanding of subject headings, and use current and appropriate classification schemes.

CO2: Students will understand the process related to construct classification number.

CO3: Students understand three systems of Classification.

CO4: Make the class number for books and other reading materials

CO5: Earned skills for classifying all documents including non-book materials and micro Documents.

Computer Lab Practice (Practical)

COURSE CODE: 18UPLIS1C06
MARKS : 100

HOURS

L	T	P	C

Course objective

- To develop basic Information Technology skills.
- To understand issues related to install / uninstalling programmes
- To get familiar with searching techniques.
- To learn and understand various aspect of creation of files and databases.
- To familiarize with Plagiarism concept and softwares.

Practices

- Installing OS
- Creating electronic documents, files and various file formats
- Creation of Database
- Searching Databases
- Plagiarism

Course outcome

On successful completion of the course,

CO1: Student will able to Install and Un-installation of Software.

CO2: Students can able to Create and use various file formats.

CO3: Students can able to Use and create a database.

CO4: Students will learn various searching techniques to locate the information.

CO5: Students learn to deploy Information Technologies in Effective and innovative ways.

SEMESTER - II

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C07: Information Sources and Services	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To conquer the knowledge on various sources and services provided by library.												
CO2: To understood the reference sources; Institutional Repository, Web OPAC, Online Databases, and Citation databases.												
CO3: To learn the context of various information services, provide by the library.												
CO4: To understood various national information systems and their role in creation, organization, dissemination and preservation of information.												
CO5: To Work with Web 2.0 technologies such as RSS, blogs and wikis.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C08: Library Automation And Digital Library (Theory)	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Articulate how technology is reshaping the profession.												
CO2: Know the basic of ICT and Its application in Libraries and Information Centers.												
CO3: Acquired the practical applications of library automation and Digital library software.												
CO4: Understand and Create a digital library.												
CO5: Gain an understanding of technology and industry standards and their importance in the field.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C09: Information Processing – Cataloguing Theory	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To familiarize how to prepare catalogue the document using cataloguing codes.												
CO2: To enable the students the assign standard subject heading using printed subject heading lists.												
CO3: To learn how to organize the documents (book& non print materials).												
CO4: To attain the capabilities for retrieving the documents using catalogue.												
CO5: To make the students aware with the latest developments and trends in the field of cataloguing.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C10: Information Processing And Retrieval – Cataloguing Practice - AACR – II and UDC	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Learn the cataloguing code and classification scheme.												
CO2: Prepare the catalogue entries for print and non - print materials using AACR II.												
CO3: To know various forms of Catalogue.												
CO4: Create a library catalogue according to the norms of AACR-II in machine readable format.												
CO5: To make the students familiar with Online Public Access Catalogue (OPAC)												

COURSE OUTCOMES	PROGRAM OUTCOMES											
09PHR01: Human Rights	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To understand the historical growth of the idea of human rights.												
CO2: To analyse concepts and policies of human rights.												

SEMESTER - II

INFORMATION SOURCES AND SERVICES

COURSE CODE: 18UPLIS1C07
MARKS : 100

HOURS

L	T	P	C

Course objectives

- Students understand the various types of information sources and its scope.
- To train the students on various Library and Information services in different library environments.
- To learn the different National information systems and their functioning.
- To acquaint skills on web based services.
- To know the process of retrieving databases and on-line /web information resources in network environment.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Information Sources	Documentary, Non Documentary – Print and Non-Print-Electronic, Primary, Secondary, Tertiary sources, Internet source.	
II	Reference & e-resources	Types and Value – Dictionaries, Encyclopedias – Biographical – Handbooks and Manuals – Geographical – Abstracting and Indexing sources, Bibliographical Sources – INB, BNB. Web Resource– E-Books, E-Journals, E-Databases, Institutional Repositories, Subject Gateways, Citation databases.	
III	Library Services	Concepts, Types, Needs. Literature Search, Documentation Services, Translation Service, Document Delivery Service, Electronic document delivery, Referral Service, Online Reference service etc.	
IV	Information Systems	Functions of Information Systems – NISCAIR - NASSDOC – DESIDOC – SENDOC – DELNET – INFLIBNET National Knowledge Networks	
V	Recent trends	Web based Information Services — Information Alerts – Web 2.0- RSS and Blogs	

Texts & Reference Books:

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.

Web Resources:

1. https://nios.ac.in/media/documents/SrSecLibrary/LCh-005.pdf
2. https://nios.ac.in/media/documents/SrSecLibrary/LCh-006.pdf
3. https://nios.ac.in/media/documents/SrSecLibrary/LCh-007.pdf
4. https://nios.ac.in/media/documents/SrSecLibrary/LCh-008.pdf
5. https://nios.ac.in/media/documents/SrSecLibrary/LCh-012.pdf
6. https://nios.ac.in/media/documents/SrSecLibrary/LCh-014.pdf
7. http://www.niscair.res.in/aboutus/about.asp?a=topframe.htm&b=leftcon.asp&c=introduction.htm&d=t
8. http://icssr.org/nassdoc
9. https://www.drdo.gov.in/drdo/labs1/DESIDOC/English/indexnew.jsp?pg=homepage.jsp
10. https://www.iaea.org/resources/databases/inis

Course outcomes

On successful completion of the course,

CO1: To learn the knowledge on various sources and services provided by library.
CO2: To understand the reference sources; Institutional Repository, Web OPAC, Online Databases, and Citation databases.
CO3: To learn the context of various information services, provide by the library.
CO4: To understand various national information systems and their role in creation, organization, dissemination and preservation of information.
CO5: To work with Web 2.0 technologies such as RSS, blogs and wikis.

LIBRARY AUTOMATION AND DIGITAL LIBRARY (Theory)

COURSE CODE: 18UPLIS1C08 **HOURS**

MARKS : 100

L	T	P	C

Course objectives

- To learn about the basic of library automation and digital library including global recommendations.
- To enable the students, gain knowledge about the attributes involved in library automation and creating digital libraries.
- To introduce standards and software related to library automation
- To explore the practical applications of library automation software and standards
- To enable the students, gain knowledge about Online and electronic resources and institutional repositories.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Library Automation Basic	Definition, need, purpose and advantages. Automation Vs Mechanization. Areas of Automation – Acquisition, Cataloguing, Access to Catalogue (OPAC), Circulation and Serial Control.	
II	Planning and Evoluation of SW	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.	
III	Digital Libraries Basic	Definitions, Concept, Characteristics, functions and Advantages-Digital Library collection - Major Digital Library Initiatives.	
IV	DL Architecture	Design and Organization of Digital Libraries: Architecture, Interoperability, Protocols and Standards, Study of Digital Library Softwares.	
V	Content creation and Preservation	Digital content creation: files formats, Archives and Preservation.	

Text & Reference Books:

1. Chowdhury, G.G, Introduction to Digital Libraries. London: Facet Publishing, 2003
2. Deegan, Marilyn & Tanner, Simon, (2002) Digital futures: strategies for the information age. London: Library Association.
3. Lakshmikant Mishra, Automation and Networking of Libraries, New Age International, 2008.

Web Resources:

1. https://epgp.inflibnet.ac.in/view_f.php?category=38
2. https://en.wikipedia.org/wiki/Digital_library
3. https://iite.unesco.org/pics/publications/en/files/3214563.pdf
4. https://ndl.iitkgp.ac.in/
5. https://nios.ac.in/media/documents/SrSecLibrary/LCh-003.pdf
6. http://www.librarysoftware.in/library-automation.html

Course outcomes

On successful completion of the course,

CO1: Articulate how technology is reshaping the profession.
CO2: Know the basic of ICT and Its application in Libraries and Information Centers.
CO3: Acquired the practical applications of library automation and Digital library Software.
CO4: Understand and create a digital library
CO5: Gain an understanding of technology and industry standards and their importance in the field.

INFORMATION PROCESSING – CATALOGUING THEORY

COURSE CODE: 18UPLIS1C09 **HOURS**

L	T	P	C

MARKS : 100

Course objectives

- To provide historical and theoretical foundation of Cataloguing
- To understand principles and cataloguing codes
- To learn the cataloguing of reading material according to AACR 2nd
- To understand different forms of cataloguing card
- To cataloguing different types of document in library

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Basic Concepts	Library Cataloguing – Need, Purpose and Functions; Centralized and Co-operative Cataloguing, Descriptive Vs. Limited Cataloging, Arrangement and Filing of Entries.	
II	Genesis of Cataloguing	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, CCF and RDA (Resource Description and Access)	
III	Cataloguing Codes	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	
IV	Principles and Rules	Normative Principles of Cataloguing - Canons, Laws, Principles and their Implications; Vocabulary Control-Thesaurus	
V	Trends in Cataloguing	Recent trends - WorldCat, IndCat, Pre-Natal Cataloguing, Cataloging in Publication, Union Catalogue.	

Text & References:

1. Kumar. PSG. Knowledge Organization, Information Processing and Retrieval Theory, Delhi: BR, 2003.
2. Chowdhury, G. G. (2010). Introduction to modern information retrieval. 3rd ed. London, Facet Publishing.
3. Bhagwatiben Govindbhai Prajapati: Library Cataloguing, Discovery Publishing House Pvt LTD, New Delhi, 2013.

Web Resources:

1. http://krishikosh.egranth.ac.in/bitstream/1/20325/1/46129.pdf
2. https://en.wikipedia.org/wiki/Library_catalog
3. https://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/library_and_information_science/knowledge_organization_and_processing__cataloguing/02._technical_processing/et/4475_et_m2.pdf

Course outcomes

On successful completion of the course,

CO1: To familiarize how to prepare catalogue the document using cataloguing codes.
CO2: To enable the students the assign standard subject heading using printed subject heading lists.
CO3: To learn how to organize the documents (book& non print materials).
CO4: To attain the capabilities for retrieving the documents using catalogue.
CO5: To make the students aware with the latest developments and trends in the field of cataloguing.

INFORMATION PROCESSING AND RETRIEVAL – CATALOGUING PRACTICE - AACR – II and UDC

COURSE CODE: 18UPLIS1C10 **HOURS**

MARKS : 100

L	T	P	C

Course objectives

- To help in understanding the rules of bibliographic description and rendering of access points;
- To understand to derive subject headings by using different subject headings
- To learn cataloguing the document according to AACR II

Text & References:

1. Lal, C and Kumar, K. (2006).Practical cataloguing AACR 2, New Delhi, Ess Ess Publications.
2. Mohd.Sabir Hussain and Jamal Ahmad Siddiqui, (2018) Practical Cataloguing with AACR II, New Delhi, Ess Ess Publications.

Web Resources:

1. https://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/library_and_information_science/knowledge_organization_and_processing_-_cataloguing/02._technical_processing/et/4475_et_m2.pdf
2. http://egyankosh.ac.in/handle/123456789/33027
3. http://downloads.alcts.ala.org/ccda/docs/magert8.pdf

Course Outcomes

On successful completion of the course,

CO1: Learn the cataloguing code and classification scheme.
CO2: Prepare the catalogue entries for print and non - print materials using AACR II.
CO3: To know various forms of Catalogue.
CO4: Create a library catalogue according to the norms of AACR-II in machine readable format.
CO5: To make the students familiar with Online Public Access Catalogue (OPAC)

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).

HUMAN RIGHTS

COURSE CODE: 09PHR01
MARKS : 100

HOURS:

L	T	P	C

Course objective

- To learn the human rights and responsibilities.
- To understand various human right organizations and their role.

Course outcome

On successful completion of the course, students will

- To understand the historical growth of the idea of human rights
- To analyse concepts and policies of human rights.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
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.	
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.	

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.	
IV	Human Rights Movements for Social Development	Indian Freedom Movement – Peasant Movement – Women's movement – SC/ST Movements – Environment Movement.	
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.	

SEMESTER - III

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C11: Information Retrieval System	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Understand the creation of IR System.												
CO2: To identify thesaurus applications in new indexing environments such as subject gateways, portals, and digital libraries.												
CO3: To learned the develop skills of information search strategies how to implement the library services.												
CO4: To retrieve documents precisely by using different search strategies.												
CO5: Analyze and evaluate different types of IR systems in terms of their interfaces, performance, and other components.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C12: ethodology	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To learn about the research methods, statistical techniques and their application in LIS.												
CO2: To ascertain research support tools and research communication process												
CO3: To learn various tools for data collection and data analysis.												
CO4: To learn how to write the research report.												
CO5: To understand of research necessary for careers as information professionals at par with global level.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C13: Knowledge Management	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To equip with the applications of Knowledge Management in different Libraries.												
CO2: To enable student to systematically identify, acquire, store, analysis, distribute and reuse knowledge's from all sources.												
CO3: To demonstrates and understanding of different types of knowledge assets.												
CO4: Able to apply KM tools												
CO5: To learn issues related to information and knowledge management infrastructure.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C14: Identify preservation and Conservation of Library resources	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To understand the importance of preservation in libraries												
CO2: To identify appropriate methods for preservation												
CO3: To familiar the various methods of preservation.												
CO4: To know various archival centers and their functions in India.												
CO5: To learn the methods followed in preservation of materials and conservation resource for future reference.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C15: Library Automation And Digital Library (Practice)	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Students will comprehend major emerging technology concepts and theories, and understand how they are relevant to library services.												
CO2: To be familiar with the technologies for storing, delivering and disseminating digital materials in networked environment.												
CO3: To identify and evaluate the digital libraries and the implications for design and evaluation.												
CO4: Students will gain an understanding about the current and potential uses of these new and emerging Web technologies in libraries.												
CO5: To make the students aware of latest developments and trends in the field of ICT.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C16: Internship – 3 Weeks	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To acquire skills of managing various sections in library.												
CO2: To acquire knowledge of various records management in library.												
CO3: To develop and manage collections of information resources.												

SEMESTER III

INFORMATION RETRIEVAL SYSTEM

COURSE CODE: 18UPLIS1C11
MARKS : 100

HOURS

L	T	P	C

Course objectives

- To know the basic concepts of IRS.
- To understand the concept of thesaurus and vocabulary control.
- To know the various subject indexing and searching techniques.
- To know the information retrieval models.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Introduction	IR Systems - meaning, purpose, functions, kinds; indexing - Meaning, Purpose and Need.	
II	Indexing Languages and Vocabulary Control	Vocabulary control – Meaning and importance; Controlled vs. Free text Indexing; Vocabulary control tools – Subject heading Lists, Thesauri, Thesaurus construction techniques.	
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;	
IV	Searching Techniques	Search Techniques and Models: Search strategies, Boolean Search, Proximity Search, Truncation; Retrieval Models - Cognitive, Probabilistic; Retrospective Search Services.	
V	Evaluation and Trends	IR Evaluation – Criteria, Cost effectiveness, Cost benefit evaluation, Overview of the MEDLARS; Recent trends in IR.	

Texts & Reference Books:

1. Chowdhury (G.G.): An introduction to modern information retrieval. 3rd ed. London: Facet, 2010.
2. Chrishoper D. Manning, Prabhahar Rayhavan and Hinrich Schutze, Introduction to information Retrieval, Cambridge University Press, 2008.
3. Carol Peters, Martin Braschler, Paul Clough (2012). Multilingual Information Retrieval: From Research To Practice, Heidelberg: Springer
4. Kumar: Information Analysis, Repackaging, Consolidation and Information Retrieval; paper X and XI of UGC Model Curriculum, B R Publishing Corporation.

Web Resources:

1. www.ijnglt.com

2. https://www.cse.iitk.ac.in/users/nsrivast/HCC/search%20engines.pdf

3.https://upload.wikimedia.org/wikipedia/commons/1/17/Evaluation_of_information_retrieval_system_purpose_and_retrieval.pdf

Course outcomes

On successful completion of the course,

CO1: Understand the creation of IR System.
CO2: To identify thesaurus applications in new indexing environments such as subject gateways, portals, and digital libraries.
CO3: To learned the develop skills of information search strategies how to implement the library services.
CO4: To retrieve documents precisely by using different search strategies
CO5: Analyze and evaluate different types of IR systems in terms of their interfaces, performance, and other components.

RESEARCH METHODOLOGY

COURSE CODE: 18UPLIS1C12 **HOURS**

L	T	P	C

MARKS : 100

Course objectives

- To understand the concepts related to research and types of research.
- To identify the overall process of research design.
- To know various tools for data collection, data analysis and skills required for report writing.
- To help in identifying research information sources in LIS
- To explore the trends of LIS research in India and abroad

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Introduction to Research Methodology	Research: Meaning - Types of Research: Fundamental, Applied, Action and Inter Disciplinary Research - Process of Research - Area of research in Library and Information Science; Research Ethics.	
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.	
III	Research Methods	Scientific, Historical, Descriptive, Survey, Observation, Experimental, Case-Study, Delphi and Interview method.	
IV	Tools for data collection and Metric studies	Questionnaire, Interview, Observation, Library records, Reports their advantages and disadvantages; Sampling: Types of sampling-random and purposive sampling, systematic sampling, cluster and multiphase sampling. Techniques – Bibliometrics, Scientometrics, Informetrics and Webometrics.	
V	Data Analysis and Report writing	Editing, Coding and De-Coding, Tabulation; Application of Statistical Packages: Measures of central tendency, Correlation, Regression, Chi Square Test; Report writing: Style Manuals: Modern Language Association (MLA) – American Psychological Association (APA) -Chicago Style Manual- Presentation of data.	

Texts & Reference Books:

1. Kothari, C. R. Research Methodology – Methods & Techniques. New Delhi, New Age, 2014.
2. Panda, B. D. Research Methodology for Library Science: with Statistical Methods and Bibliometrics New Delhi; Anmol, 1997.
3. Bhattacharyya, D K., Research Methodology. New Delhi: Excel Books India, 2009.
4. Singh, Y. K: Research Methodology, New Delhi: APH Publishing, 2010.
5. Gopikuttan, A., Research @ library and information science, ESS ESS Publications, 2011.

Web Resources:

1. https://www.youtube.com/watch?v=IZLn9_PA_4s
2. https://en.wikibooks.org/wiki/Research_Methods/Types_of_Research

Course outcomes

On successful completion of the course,

CO1: To learn about the research methods, statistical techniques and their application in LIS.

CO2: To ascertain research support tools and research communication process

CO3: Learn various tools for data collection and data analysis.

CO4: Learn how to write the research report.

CO5: Understanding of research necessary for careers as information professionals at par with global level.

KNOWLEDGE MANAGEMENT

COURSE CODE: 18UPLIS1C13 **HOURS**

MARKS : 100

L	T	P	C

Course objectives

- To learn basic concepts and applications in Knowledge Management
- To study the various tools of Knowledge Management

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Basic Concepts	Knowledge Management: Concept – Need – Understanding Knowledge; Types of knowledge – Changing role of library and Information professionals.	
II	Knowledge Creation	Knowledge creation and capturing, knowledge creation model – Expert System	
III	Knowledge Organisation	Knowledge codification and organization: Knowledge Mapping, decision trees, decision tables etc.	
IV	Knowledge Management – Tools	Tools and Technologies for Knowledge Management– SharePoint, Technical Writing – Legal and ethical issues in Knowledge Management	
V	Knowledge Management – Concepts	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. Birkowitz, W.R. Knowledge Management. PHI, New Delhi, 2000.
4. Mishra, J.K. (2009) Knowledge Management: Complexity, Learning and Sustainable Innovation. Coronet Books. Springer, Newyork, 2005.
5. Mohammad Nazim and Bhaskar Mukherjee (2016) Knowledge Management in Libraries Concepts, Tools and Approaches, Imprint of Elsevier.
6. Valerie Forrestal and Ellyssa Kroski (2015) Knowledge Management for Libraries, Rowman & Littlefield.
7. Jennex Murray E., (2005) Case Studies in Knowledge Management, Idea Group.

Web Resources:

https://www.classcentral.com/course/swayam-knowledge-management-7954

Course outcomes

On successful completion of the course,

CO1: Students will be equipped with the applications of Knowledge Management in different Libraries.
CO2: To enable the students to systematically identify, acquire, store, analysis, distribute and reuse knowledge from all sources.
CO3: To demonstrate different types of knowledge assets.
CO4: Able to apply KM tools
CO5: To learn issues related to information and knowledge management infrastructure.

PRESERVATION AND CONSERVATION OF LIBRARY RESOURCES

COURSE CODE: 18UPLIS1C14
MARKS : 100

HOURS

L	T	P	C

Course Objectives

1. To understand concept in preservation and conservation of library materials.
2. To understand traditional methods preservation
3. To understand issues in digital preservation
4. To study the structure and functions of Archives

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Basic Concepts	Preservation and Conservation – Meaning, Need and Importance – Hazards to Information materials – Environmental factors – Biological factors- Chemical factors – Other factors	
II	Evolution of Information materials	Clay tables 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	
III	Methods of Preservation and Conservation	Physical methods – Preservation and Conservation of Library Building, Mending, Restoration & Guarding; Lamination, Leaf casting, Encapsulation – Chemical methods; Fumigation; De-acidification	
IV	Digital Preservation	Preservation of Non-print materials- Use of Micrography and Reprography as a means of Preservation – Digital Preservation – Strategies, Methods of Challenges	
V	Genesis of Archival Centers	Archives – Structure and Functions of Tamil Nadu Archives and National Archives of India	

Text & References:

1. P.K.Mahapatra and B.Chakrabarti. Preservation in Libraries: Perspectives, Principles and Practices Ess Ess Publications, New Delhi, 2003
2. L.S.Ramaiah and G.Sujatha. Preservation of Library Archival and Digital Documents Ess Ess Publications, New Delhi, 2008
3. Jyoti Misra: Conservation and Preservation Techniques: A Hand book for Librarians, New Royal Book Company, Lucknow, 2010

Web Resources:

1. https://shodhganga.inflibnet.ac.in/bitstream/10603/96470/11/11_chapter%203.pdf
2. http://ir.inflibnet.ac.in/bitstream/1944/1466/1/8.pdf
3. https://en.wikipedia.org/wiki/National_Archives_of_India
4. https://www.colorado.edu/libraries/sites/default/files/attached-files/preservationlinks.pdf

Course outcomes

CO1: Understand the importance of preservation in libraries
CO2: To Identify appropriate methods for preservation
CO3: To familiar the various methods of preservation.
CO4: To know various archival centers and their functions in India.
CO5: Preservation of materials and conservation resource for future reference.

LIBRARY AUTOMATION AND DIGITAL LIBRARY (Practice)

COURSE CODE: 18UPLIS1C15 **HOURS**

MARKS : 100

L	T	P	C

Course objectives

- To provide practical knowledge related to Library Automation and Digital Library
- To introduce standards and software related to digital library systems
- To explore the applications of software and standards in developing digital library
- systems
- To give hands on training – Library automation software and Digital library software's.

Hands-on Training:

1: Library Automation Software's: WINISIS, LIBSYS, KOHA and SOUL.

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

3: Web Technologies: Weblog; Website; Mobile Applications

Course outcome

On successful completion of the course,

CO1: Students will comprehend major emerging technology concepts and theories, and understand how they are relevant to library services.
CO2: Become familiar with the technologies for storing, delivering and disseminating digital materials in networked environment
CO3: Identify and evaluate the digital libraries and the implications for design and evaluation.
CO4: Students will gain an understanding about the current and potential uses of these new and emerging Web technologies in libraries.
CO5: To make the students aware with the latest developments and trends in the field of ICT.

INTERNSHIP – 3 WEEKS

COURSE CODE: 18UPLIS1C16

Course objectives

- To enhance their skills and knowledge in a specific area of information service
- To train them to enhance their efficiency for managing all sections in library
- To train them to adopt to the existing working conditions in the library

Course outcomes

On successful completion of the course, Acquire skills of managing various sections in library.

- Acquire knowledge of various records management in library.
- Develop and manage collections of information resources.

Internship is a training program that combines learning new library skills outside the classroom and the demonstration skill. The duration of the internship will be **three weeks**.

Leave Norms:

1. During the course one casual leave permitted.
2. If they take more than a one CL he / she should compensate the same by local library.

SEMESTER - IV

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1C19: Multimedia Tools (Practical)	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Students can identify the techniques and tools for creating and editing the interactive multimedia applications.												
CO2: They can create and edit audio, video, text, images and graphics.												
CO3: Acquire skills on using various multimedia tools pertaining to LIS.												

SEMESTER IV

MULTIMEDIA TOOLS (Practical)

COURSE CODE: 18UPLIS1C19 **HOURS**
MARKS : 100

L	T	P	C

Apply techniques from human-computer interaction, systems analysis, programming, and database design to analyze user needs and information systems in social and organizational settings, develop innovative solutions to address information, technology, and services problems and challenges

Course objective

- To identify and learn various Multimedia tools
- To understand various Multimedia file formats
- To discuss the hardware and Software requirement of multimedia system.

Course outcome

On successful completion of the course,

CO1: Students can identify the techniques and tools for creating and editing the interactive multimedia applications.
CO2: They can create and edit audio, video, text, images and graphics.
CO3: Acquire skills on using various multimedia tools pertaining to LIS.

Hands on Training

- Speech synthesis and recognition
- YouTube
- Webinars
- Mobile Apps
- RSS aggregator
- Podcasting
- NPTEL

ELECTIVE COURSES

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1E01: Marketing Of Information Products And Services	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Acquire marketing skills of information products and services.												
CO2: They gain the knowledge of pricing of information.												
CO3: Gain knowledge regarding the Role of Information Industries.												
CO4: Develop the skills set in marketing of information products and services matching user needs.												
CO5: Attain the skills of information products and marketing based on user demands.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1E02: Library Networks, Consortia And Resource Sharing	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Students familiar with consortia in different levels and subjects.												
CO2: Attain knowledge of Library Networks.												
CO3: Enable the students obtained knowledge about online databases, and resource sharing.												
CO4: Gain knowledge in resource sharing techniques and procedures.												
CO5: To make the students aware with the latest developments and trends in the field of Resource sharing												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1E03: Electronic Information Resources	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To familiar with the variety of electronic information sources.												
CO2: Gain knowledge about various reference and bibliographical sources.												
CO3: Trained to use web-based electronic information sources found through search engines.												
CO4: Students could identify databases/resources relevant to their major field of study												
CO5: Ability to analyze and Evaluate Electronic Information sources.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1E04: Public Library System And Service	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Students will be familiar with the Public Library System and its role in society development.												
CO2: Understand the librarians' professional ethics, qualities and role in society at different levels.												
CO3: Learn the need for library legislation, and functioning public library system.												
CO4: To understand resources and services in broaden diverse perspective.												
CO5: To understand status of public library in other countries.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1E05: Biblometrics	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To gain knowledge about citation index and citation database.												
CO2: To gain knowledge of various laws of Bibliometrics.												
CO3: Learnt various software's related to Bibliometrics data analysis.												
CO4: Gain the knowledge about bibliographical databases.												
CO5: To learn about the research methods, statistical techniques and their application in metric studies.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1E06: User Education and Communication	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Students can identify suitable methods and technology for conducting user education.												
CO2: Students will be capable to take up User survey and to conduct Information Literacy programmes.												
CO3: To demonstrates and understanding of different types and models of Information Literacy.												
CO4: To evaluate the effectiveness of user education programme.												
CO5: Students familiar with the methods of conducting User education.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1E07: Digital Content Management Systems	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To learn popular open source content management systems – Drupal and Joomla.												
CO2: To familiar with various tools for creating CMS.												
CO3: Create and deploy websites using CMS.												
CO4: Develope competence in using various Web 2.0 technologies												
CO5: Students learn experience and practice of corporate and special library in CMS.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1E08: Special Library and Information Systems	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To study the various National & International information systems.												
CO2: To know features of information sources, institutions, and information systems												
CO3: To train students with the practical skills for preparation of SLIS products												
CO4: To impart to students thorough understanding of the study of information users and their needs.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1E09: Intellectual Property Rights	1	2	3	4	5	6	7	8	9	10	11	12
CO1: Acquire knowledge about the fundamentals of IPR, Copyrights and Right to Information ACT, National and International IPR Organizations such as IPO and WIPO.												
CO2: Gain the knowledge about the Forms of IPR: Patents, Designs, Trademarks.												
CO3: Attain the information of Knowledge Commission and Right to Information Act and features of Copyright Act.												
CO4: Develop awareness about copyright violations, Plagiarism and their legal impact.												
CO5: Learn knowledge how to create different kinds of copyright forms for their own property.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1E10: Academic Library System	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To perform basic managerial functions, including planning, budgeting, and evaluation of ALS.												
CO2: Use of recent management techniques and tool for improving the academic library Services.												
CO3: They familiarize with various resources of Academic Libraries.												
CO4: Acquire skills and knowledge pertaining Academic Library environment.												
CO5: Create a network of academic libraries and Share the resources through the network.												

ELECTIVE COURSES

MARKETING OF INFORMATION PRODUCTS AND SERVICES

COURSE CODE: 18UPLIS1E01
MARKS : 100

HOURS

L	T	P	C

Course objectives

- To understand the value of information as an economic resource and its management
- To learn the marketing strategies of information products and services.
- To understand the common problem faced by the users to access the information Product & services

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Introduction	Information as a Commodity and Resource: Economics of Information – Marketing Concepts, Need, Scope– Marketing Strategies – Marketing in LIS.	
II	Portfolio Management	BCG Matrix Model – Product Market Mix – Product Life – Cyle – Pricing Information– Competition Analysis	
III	Marketing Mix	Kotler's Four C's – McCarthy's Four P's.	
IV	Marketing Plan and Research	Market Segmentation and Targeting – Geographic and Demographic Segmentation – Behavioral Segmentation – User Behaviour and Adoption – Marketing Advertisement.	
V	Information Industry	Information and Publishing Industries – National and International – Online Marketing, Marketing of Information Products and Services	

Texts & Reference Books:

1. Mah – E – Bushra Asghar and Rubina Bhatti, Marketing of library and Information services and products, Lambert Academic Publishing, 2012.
2. Hare Ram Singh, E-Marketing, Anmol Publications Pvt. Ltd., New Delhi, 2011
3. Bahuguna, Pallavi, International Marketing, Anmol Publications Pvt. Ltd., New Delhi,2011.
4. Philip T. Kotler, Principles of Marketing, Pearson Publications, Gary Armstrong, University of North Carolina, 2016.

Web Resources:

1. https://en.wikipedia.org/wiki/Marketing_mix
2. https://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/library_and_information_science/information_sources,_systems_and_services/26._international_information_systems__programs_/et/1941_et_et.pdf

Course outcomes

On successful completion of the course,

CO1: Acquire marketing skills of information products and services.
CO2: They gained the knowledge of pricing of information.
CO3: Gained knowledge regarding the Role of Information Industries
CO4: Developed the skills set in marketing of information products and services matching user needs.
CO5: Attained the skills of information products and marketing based on user demands

LIBRARY NETWORKS, CONSORTIA AND RESOURCE SHARING

COURSE CODE: 18UPLIS1E02
MARKS : 100

HOURS

L	T	P	C

Course objectives

- To learn need, purpose and methods of resource sharing.
- To familiarize various library networks and Consortia.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Introduction	Resource Sharing: Meaning, Definition, Need, Advantages and Barriers; Collection Policy and Evaluation of e-resources; Resource Sharing through Networks.	
II	Library Networks (National)	Definition, Need, Library Networks in India: MYLIBNET, CALIBNET, DELNET, BONET, PUNENET, MALIBNET, HYLIBNET, NICNET, ERNET, INFLIBNET and BTISNET etc.	
III	Library Networks (International)	Library Networks at International Level: OCLC, CURL, JANET, CALIS and AARLIN	
IV	Consortium	Meaning, Kinds of Consortia, Services offered by Consortia, Advantages and disadvantages of Consortia.	
V	Consortia (National & International)	National: UGC-ESS, MCIT Library Consortium and ICARNET; and International context in Consortium, ICOLC.	

Text & References:

1. Pravin D.Gahale, (2013). Library Network and Digital library, Garima Prakashan, Kanpur**.**

Web Resources:

1. http://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/library_and_information_science/academic_libraries/15-b._library_networks_and_consortia_in_india/et/4439_et_15-b.pdf
2. Patil, Y.M. and Savanur, K.P.(2006). Consortium Approach to E- Resource Sharing-A Case Study.http://eprints.rclis.org/archive/00009070/01/AFITA(Preprint).pdf\
3. http://infolibrarian.com/asso.html
4. http://www.lisbdnet.com/library-consortia-mdg/

Course outcomes

On successful completion of the course,

CO1: Students familiar with consortia in different levels and subjects.
CO2: Attained knowledge of Library Networks.
CO3: Enable the students obtained knowledge about online databases, and resource sharing.
CO4: Gained knowledge in resource sharing techniques and procedures.
CO5: To make the students aware with the latest developments and trends in the field of Resource sharing

ELECTRONIC INFORMATION RESOURCES

COURSE CODE: 18UPLIS1E03 **HOURS**

MARKS : 100

L	T	P	C

Course objectives

- To help in understanding the types and scopes of Electronic information sources;
- To know features and different forms of information sources
- To know the process of retrieving databases and on-line /web information resources in network environment.
- To describe how to evaluate different electronic information sources

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Introduction	Types of Electronic Information resources – Electronic Documentary – characteristics – Scope. Primary, Secondary and Tertiary sources	
II	Types of reference sources	Electronic Ready Reference Sources –Types and value - Electronic Dictionaries, Electronic Encyclopedias, Electronic Biographical sources, Electronic Handbooks and Manuals.	
III	Bibliographical Source	Electronic Bibliographical sources – Electronic Citation Sources, list of serials; Union Catalogues; – Indexing and abstracting sources, news summaries.	
IV	Web resources	Digital Resources: E-Books, E-Journals, Databases and ETD, – Subject Gateways; Web Portals	
V	Evaluation of resources	Evaluation of Electronic Information sources – Print Reference sources; Web Resources	

Text & References:

1. Chavare, S. R. (2002). Co-Operation For Resource Sharing: Initiatives, Models and Techniques, Workshop on Information Resource Management 13th-15th March, DRTC, Bangalore, Paper: BB

2. Kaula, P.N. Towards resource sharing in libraries. Planning in library resource sharing. Edited by A.S. Chandel & Veena Saraf. Lucknow: Print House: 1-15

3. Roshan, Raina. Library resource sharing and networking: An approach among management schools in India, Vikas Pub. House

Web Resources:

1. https://www.ifla.org/files/assets/acquisition-collection development/publications/electronic-resource-guide-2012.pdf
2. http://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/library_and_information_science/information_sources,_systems_and_services/04._reference_sources__use__and_evaluation_criteria,__e-information_sources/et/1916_et_et.pdf
3. http://egyankosh.ac.in/bitstream/123456789/25606/1/Unit-2.pdf
4. http://eprints.rclis.org/7462/1/National_Knowledge_Commission_Overview.pdf
5. https://www.inflibnet.ac.in/

Course outcomes

On successful completion of the course,

CO1: To familiar with the variety of electronic information sources.
CO2: Gained knowledge about various reference and bibliographical sources.
CO3: Tend to use web-based electronic information sources found through search engines.
CO4: Students could identify databases/resources relevant to their major field of study.
CO5: Ability to analyze and Evaluate Electronic Information sources.

PUBLIC LIBRARY SYSTEM AND SERVICE

COURSE CODE: 18UPLIS1E04 **HOURS**

MARKS : 100

L	T	P	C

Course objectives

- To provide basic concepts related to public library system and services
- To introduce resources and standards related to public library system
- To describe the roles and responsibilities of the public library in serving diversified communities.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Fundamental	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	
II	Resource Mobilizing	Public Library System: Resource Development – Development Plans and Resource Mobilization – Financial Resources – Physical and Documentary Resources – Human Resources	
III	Administration of PL	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	
IV	Services	Public Library Services – Types of Library Services – Application of Information Technology in Public Library Services	
V	PL Genesis	Public Library Scenario in India, UK, USA and Canada	

Text & References:

1. Srivastva, A.K. (2013). Public Library System and Services, Creon Publications, New Delhi
2. Ajaykumar Raval. (2013). Hand book of Public Library System, New Delhi, Discovery Publishing house pvt Ltd.
3. Dhiman, Anil K. & Yashoda Rani . Learn Library and Society. New Delhi: Ess Ess Publication.2005
4. Isaac, K. A. Library legislation in India: A critical and comparative study of state library Acts. New Delhi: Ess Ess Publication, 2000
5. American library Association. Minimum standards for public library systems. Chicago: ALA.

Web Resources:

1.http://egyankosh.ac.in//handle/123456789/11387

2.https://www.ifla.org/files/assets/hq/publications/archive/the-public-library-service/publ97.pdf

Course outcomes

On successful completion of the course,

CO1: Students will be familiar with the Public Library System and its role in society development.
CO2: Understand the librarians' professional ethics, qualities and role in society at different levels.
CO3: Learn the need for library legislation, and functioning public library system.
CO4: To understand resources and services in broaden diverse perspective.
CO5: To understand status of public library in other countries.

BIBLOMETRICS

COURSE CODE: 18UPLIS1E05 **HOUR**

MARKS : 100

L	T	P	C

Course Objectives

- To provide basic concepts related to application of quantitative techniques in LIS;
- To help in understanding laws, indicators, techniques, tools and services related to bibliometrics, informetrics, webometrics and altmetrics
- To study publication indicators, citations, impact factors, hindex.
- To explore the future applications of Bibliometrics
- To study the tools and techniques in LIS research

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Inroduction	Meaning, Features, Biblimetrics, Librametrics, Scientometrics, Informetrics, Webometrics, Cyber metrics and Altmetrics	
II	Laws and Indicators	Laws and Application of Bibliometrics, Other Empirical Laws of Price, Garfield, Sengupta, etc	
III	Citation Analysis	Techniques Citation, Co-word, Co-Citation, Network analysis, collaboration, Bibliographic Coupling, Impact Factor, h-index, half-life, and g-index.	
IV	Bibliometrics tools	Biblimetric tools: Web of Science, SCOPUS, MEDLINE Google Scholar, Pop, and EBSCHO. Hiscite, VOS Viewer, and Bibexcel	
V	Application of Research	Application of Quantitative and Qualitative tools and techniques in LIS Research	

Text & References:

1. Rafael Ball : An introduction to Bibliometrics 1 st Ed Chandos Publishing 2017.
2. Srivastava.R : Bibliometrics: New Dimensions and latest trends, Alfa publications 2011.
3. Bibhu Prasad Panda: A Model Biblometric study, SSDN Publisher & Distributors, New Delhi, 2012
4. Ingwersen, P. (2012). Scientometric indicators and webometrics -- and the poly representation principle information retrieval. New Delhi: Ess Ess Publications

Web Resources:

1. http://eprints.rclis.org/12847/1/Bailon-Moreno,_R_.pdf
2. https://www.essay.uk.com/free-essays/science/bibliometrics-citation-citation-analysis.php
3. https://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/library_and_information_science/informetrics_&_scientometrics/data_sources_and_software_tools_for_bibliometric_studies/et/333_et_m2.pdf

Course outcomes

On successful completion of the course,

CO1: To gained knowledge about citation index and citation database.

CO2: To gained knowledge of various laws of Bibliometrics

CO3: Learnt various software's related to Bibliometrics data analysis.

CO4: Gained the knowledge about bibliographical databases.

CO5: To learn about the research methods, statistical techniques and their application in metric studies.

USER EDUCATION AND COMMUNICATION

COURSE CODE: 18UPLIS1E06 **HOURS**

MARKS : 100

L	T	P	C

Course objectives

- To learn the concepts of User education and user needs.
- To understand the need, purpose and methods of User education.
- Identify different components of User Education.
- To the methods of digital and online literacy.
- To orient on national and international standard and models of information literacy.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Introduction	Information Literacy: Meaning, Definition, Need, Importance Historical perspectives of Information literacy. User education on information literacy	
II	Types of IL	Types of Information Literacy, Library Literacy, Technology literacy, Media literacy, Computer and Digital literacy.	
III	IL Models	Information literacy Models and Standards, SCONUL model and Empowering 8 models. B-6, Seven Pillar, ELLIS. Guidelines and standards for Information literacy programs: ALA, IFLA ACRL. Taskforce and forums.	
IV	Role of IL	Information Literacy and higher education, Role of Libraries in Information literacy. Information literacy in India.	
V	Challenges in IL	Information Literacy Competencies, Challenges of Information literacy. Information literacy instructions in different types of Library and Information centers. Trends in Information Literacy.	

Text & References:

1. Lal, C, ed. Information Literacy in the Digital Age. New Delhi: Ess Ess Publication.2008
2. Welsh, Teresa S. & Wright, Melissa S. Information Literacy in the Digital Age: An evidence-based approach. Oxford: Chandos Publishing.2010
3. Grassian, Esther S. & Kaplowitz, Joan R. Information Literacy Instruction: theory and practice. New Delhi: Ess Ess Publication.2013
4. Mukhopadhyay, P. (2004). Community information services through web and CDROM: An open source framework for public libraries in India.

Web Resources:

1. http://www.drtc.isibang.ac.in/xmlui/handle/1849/185

Course outcomes

On successful completion of the course,

CO1: Students can identify suitable methods and technology for conducting user education.
CO2: Students will be capable to take up User survey and to conduct Information Literacy programmes.
CO3: To demonstrates and understanding of different types and models of Information Literacy.
CO4: To evaluate the effectiveness of user education programme.
CO5: Students familiar with the methods of conducting User education.

DIGITAL CONTENT MANAGEMENT SYSTEMS

COURSE CODE: 18UPLIS1E07
MARKS : 100

HOURS

L	T	P	C

Course objectives

- To learn the elements of Content Management System (CMS).
- Develop proficiency with the concepts and tools for visual, graphic and user-focused
- Practice and develop critical skills in use and evaluation of media strategy.
- To know the use of software / hardware technologies in developing CMS.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
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.	
II	CMS Software's	Content Management Software Drupal, Joomla, ~~TCP/IP~~, ~~FTP, SSHD.~~ Web servers: Apache etc.	
III	Tools and techniques	Content Management Tools and techniques: ~~Drupal~~, ~~Portal, e-learning, C~~Content Management Practice	
IV	Content Organizations	Content Organizations in the Digital Space Indexing and knowledge representation KOS, Ontology and topic maps.	
V	Case studies	Content Management system in Corporate and Special Libraries	

Text & References:

1. Jones, K. M. L., & Farrington, P.-A. (2011). Using WordPress as a library content management system. Chicago, IL: ALA TechSource
2. Introduction to Content Management Systems Drupal.

Web Resources:

1.https://en.wikipedia.org/wiki/Document_management_system

2. https://www.inflibnet.ac.in/caliber2009/CaliberPDF/23.pdf

3. https://www.capterra.com/content-management-software/

4. https://www.semanticscholar.org/topic/Ontology-(information-science)/3211

5. https://www.semanticscholar.org/topic/Topic-Maps/164448

6. https://www.drupal.org/docs/user_guide/en/index.html

Course outcomes

On successful completion of the course,

CO1: To learn popular open source content management systems – Drupal and Joomla.
CO2: To familiar with various tools for creating CMS.
CO3: Create and deploy websites using CMS.
CO4: Developing competence in using various Web 2.0 technologies
CO5: Students learn experience and practice of corporate and special library in CMS.

SPECIAL LIBRARY AND INFORMATION SYSTEMS

COURSE CODE: 18UPLIS1E08 **HOURS**

MARKS : 100

L	T	P	C

Course objectives

- To study the various National & International information systems.
- To know features of information sources, institutions, and information systems;
- To train students with the practical skills for preparation of SLIS products.
- To impart to students thorough understanding of the study of information users and their needs.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Introduction	Special Library: Meaning, Definition, Types, Scope, Function and Objectives, Role and Importance, Evaluation of special libraries.	
II	Genesis of SL	Development of Special Libraries in India, Status of Special Libraries in India, SAARC, BRICS.	
III	Resources and Services	Special Libraries- Funding, Services and Collections, Consortia and Resource in Special Libraries.	
IV	National Information System	Organizations and Functions of Information Systems – NISCAIR – NASSDOC – DESIDOC – SENDOC – National Knowledge Networks.	
V	International Information System	UNISIST – AGRIS – INIS – MEDLARS – INSPEC – BIOSIS – CAS (Chemical Abstract Service) – OCLC.	

Text & Reference Books

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

Web Resources:

1. http://www.lisbdnet.com
2. http://www.klibjlis.com/1.11.pdf
3. **http://www.egyankosh.ac.in>bitstream>unit 8**

Course outcomes

On successful completion of the course,

CO1: To understands role of National and International Information System.
CO2: To learn the growth of Special Libraries across the globe
CO3: To know the sources for collection development
CO4: To identify the role and functions of various information networks
CO5: To learn the services of information system

INTELLECTUAL PROPERTY RIGHTS

COURSE CODE: 18UPLIS1E09 **HOURS**

L	T	P	C

MARKS : 100

Course objectives

- To make the students aware of IPR and Right of Information access.
- To get knowledge of patents, copy right, and information Technology Act.
- To explore the legislation and IPR issues related to the discipline.
- To know the various National and International IPR Organization.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Introduction	Intellectual Property Rights – Definition-Need and Purpose- Forms of IPR –IPR in Digital Era- Right to Information – Definition – Need and Purpose	
II	Copyright Law	Copyright Law – Copyright Act-– Need –Violations of the Copyright Law –in Pre- Information Technology – Plagiarism.	
III	Cyber Crimes	Cyber Crimes –Definitions –Types of Cyber Crimes- Protections	
IV	Cyber Laws	Cyber Laws - Copyright status - Digital Information system in Libraries International Status- Implementation	
V	Legislation	Legislation- Control and Supervision-Merits and Demerits-Patents –Standards	

Text & Reference Books:

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.

Web Resources:

1. https://www.wipo.int/about-ip/en/
2. https://www.w3.org/IPR/

Course outcomes

On successful completion of the course,

CO1: Acquired knowledge about the fundamentals of IPR, Copyrights and Right to Information ACT, National and International IPR Organizations such as IPO and WIPO.
CO2: Gained the knowledge about the Forms of IPR: Patents, Designs, Trademarks.
CO3: Attained the information of Knowledge Commission and Right to Information Act and features of Copyright Act.
CO4: Developed awareness about copyright violations, Plagiarism and their legal impact.
CO5: Learned knowledge how to create different kinds of copyright forms for their own property.

ACADEMIC LIBRARY SYSTEM

COURSE CODE: 18UPLIS1E10
MARKS : 100

HOURS

L	T	P	C

Course objectives

- To enable the student to understand the functions and purpose of academic library.
- To introduce resources, services and management issues pertaining to academic Libraries.
- To Identify and describe key policy and planning factors and challenges in different Academic library.
- To get a clear idea about the application of new ICT in academic library management.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Academic library and their use	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	
II	Management of Academic Libraries	Collection Development: - Selection of Resources, Nature, Types and Policies. Financial Management of Academic Libraries, Curriculum and Collection Development, Human resource management.	
III	Administration of Academic Libraries	Library Authority and Library Committee – Financial Managment – Allocation of Funds to Academic Libraries, Statistics – Files and Records.	
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.	
V	User education & Future trends	Information Literacy Programme in Academic Libraries – Academic Library Repositories, Future trends in academic library development.	

Texts & Reference Books

1. Krishnan Kumar and Sesh Patel, Libraries and Librarianship in India, New Delhi, Viva Books, 2001.
2. Devarajan, G, Resource Development in Academic Libraries, New Delhi, Ess Ess Publication, 1999.
3. Shri Nath Sahai, Academic Library System, Ess Ess Publications, New Delhi, 2009.
4. Gurudev singh, Academic Library system and services, Ess Ess Publications New delhi,2015

Web Resources:

1. https://www.ugc.ac.in
2. https://www.aicte-india.org/
3. https://mciindia.org
4. https://naac.gov.in

Course outcomes

On successful completion of the course,

CO1: To perform basic managerial functions, including planning, budgeting, and evaluation of ALS.
CO2: Use of recent management techniques and tool for improving the academic library Services.
CO3: They familiarize with various resources of Academic Libraries.
CO4: Acquired skills and knowledge pertaining Academic Library environment.
CO5: Create a network of academic libraries and Share the resources through the network.

SUPPORTIVE COURSES

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1S01: Information Resources on STEM	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To understand various types of Information resources on STEM.												
CO2: To Identify and use STEM resources available over the Internet.												
CO3: To develop evaluation and practical skills in dealing with STEM information sources.												
CO4: To familiarize with Digital Information Services. i.e., Institutional Repository, Web OPAC, Online DDS, Citation and Indexing Services.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1S02: Open Educational Resources	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To develop skill on Open Educational Resources.												
CO2: To acquired various Open Educational Resources in different disciplines.												
CO3: Acquire knowledge on open access policy and its impact on academic community.												
CO4: Attain the capabilities of exploring international and national scholarly open access databases.												
CO5: Acquire knowledge about information literacy of scholarly open access information systems at national and international.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1S03: Information Search Strategies And Techniques	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To learn the application of search techniques to various search tools.												
CO2: To develop and execute a research strategy appropriate to the field.												
CO3: To determine the perceived knowledge and navigational skills for searching on internet.												
CO4: To know the different search techniques adopted while searching information on internet.												
CO5: Select the appropriate search tool for the required information in the digital environment.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1S04: Information Sources	1	2	3	4	5	6	7	8	9	10	11	12
CO1: To deeply gained knowledge about information sources (print & electronic).												
CO2: To Determine types and Forms of information sources.												
CO3: To gain knowledge in databases for information sources.												
CO4: Identify and use Internet information sources.												
CO5: To develop evaluation and practical skills in dealing with information sources.												

COURSE OUTCOMES	PROGRAM OUTCOMES											
18UPLIS1S05: E-Resources	1	2	3	4	5	6	7	8	9	10	11	12
CO1: They familiar with the variety of electronic information sources.												
CO2: Gained knowledge about various reference and bibliographical sources as digital and online.												
CO3: Identify and use Internet information sources.												
CO4: To acquaint students to sources of information in new media.												
CO5: Ability to analyze and Evaluate Electronic Information sources.												

SUPPORTIVE COURSES

INFORMATION RESOURCES ON STEM

COURSE CODE: 18UPLIS1S01
MARKS : 100

HOURS

L	T	P	C

Course objectives

- To provide concepts, features, scopes and advantages of STEM resources;
- To study various Information sources on **S**cience, **T**echnology, **E**ngineering and **M**athematics **(**STEM).
- To familiarize various institutional repositories related to STEM.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Information Sources	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.	
II	Ready Reference Source	Types and Value – Dictionaries, Encyclopedias – Biographical – Handbooks and Manuals – Geographical – Abstracting and Indexing sources.	
III	Databases	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.	
IV	Bibliographical Databases	Scopus, Web of Science, Index Copernicus, Google Scholar, Ei Compendex, SciFinder Scholar, MathSciNet, JCCC.	
V	Institutional Repositories	OPEN DOAR, Indian Open Access Repositories (OAJSE)	

Text & Reference Books:

1. Narendra Dodiya. (2015). Information Services, Ess Ess Publications, New Delhi
2. Gurdev, Signh, Information Sources, Services and Systems, Delhi, PHI Learning Private Limited, 2013.
3. Gorman, Digital Features in Information and Library Services, Chennai, Allied Publishers, 2002.

Web Resources:

1. http://guides.lib.purdue.edu/stemed
2. http://paniit.iitd.ac.in/indest/index.php/e-resourc
3. https://www.scopus.com/home.uri
4. https://apps.webofknowledge.com
5. http://www.rsc.org/
6. https://doaj.org/
7. http://www.opendoar.org/
8. http://roar.eprints.org/
9. http://www.oajse.com/rioar_a-z_list.htm

Course outcomes

On successful completion of the course,

CO1: To understand various types of Information resources on STEM.
CO2: To Identify and use STEM resources available over the Internet.
CO3: To develop evaluation and practical skills in dealing with STEM information sources.
CO4: To familiarize with Digital Information Services; Institutional Repository, Web OPAC, Online DDS, Citation and Indexing Services.

OPEN EDUCATIONAL RESOURCES

COURSE CODE: 18UPLIS1S02 **HOURS**

L	T	P	C

MARKS : 100

Course Objectives

- To provide concepts, features, scopes and advantages of open educational resources
- To introduce open access sources, policies and licensing
- To train on the exploration and use of open resources: courseware, full text journals database, ETDs, Patterns, standards and multimedia resources
- To explore the use of open contents in education, research and their integration with library systems

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Introduction	Concept of Open Educational resources, Types of OER, Difference between Proprietary and Open sources, Contrast between Open and free resources	
II	Databases	E – Journals: DOAJ, OAJSE, India Academy of Science, High wire, NISCAIR Online periodicals repository E-Books: DOAB, Audible Books, Digital Library of India, OER Common project Gutenberg, Utah open Text Book, E – Pustakalaya	
III	Courseware	Sakshat Portal, MIT Course, NPTEL, egyankosh, CEDT, sciGate, khan Academy, MERLOT, NIOS, eGyanKosh	
IV	Institutional Repository	Open DOAR, OAJSE, National Repository of Open Educational Resources (NROER)	
V	Evolution of open educational resources	Development of Open educational resources in India	

Text & References:

1. Chowdhury, G.G. and Chowdhury, Sudatta (2000). Searching CD-ROM and online Informationsources. London: Library Association.
2. Gopinath, M.A. Information sources and communication media (Annual Seminar). Bangalore: DRTC.
3. Mukhopadhyay, P. (2014). Resource description. In UNESCO course on Open Access (Module 4: Interoperability and Retrieval in OA – Unit 1). New Delhi: CEMCA/UNESCO.

Web Resources:

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/inde

Course outcomes

On successful completion of the course,

CO1: To develop skill on Open Educational Resources
CO2: To acquired various Open Educational Resources in different disciplines.
CO3: Acquired knowledge on open access policy and its impact on academic community
CO4: Attained the capabilities of exploring international and national scholarly open access databases
CO5: Acquired knowledge about information literacy of scholarly open access Information systems at national and international

INFORMATION SEARCH STRATEGIES AND TECHNIQUES

COURSE CODE: 18UPLIS1S03
MARKS : 100

HOURS

L	T	P	C

Course objectives

- The types of information searches
- The formulation of search strategies
- The types of search techniques
- The use of search techniques in information retrieval
- The application of search techniques to various search tools

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Fundamental	Information retrieval –Fundamental-Information retrieval system - Quantitative Information - Qualitative Information.	
II	Search tools	Vocabulary control Tools-Thesaurus-Management of Client- Server Technology.	
III	Search strategy	Search strategy –Search Formulation-Search Statement-Citation searching other variations in search tools.	
IV	Search techniques	Search techniques- Boolean logic Truncation- Weighted term logic--Boolean Searching – Sorting techniques.	
V	Information retrieval evaluation	Information retrieval evaluation criteria –Major information retrieval studies- ASLIB Crane field study, MEDLARS-SMART-FAIRS-TREC.	

Text & Reference Books:

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.

Web Resources:

1. https://uj.ac.za.libguides.com/c.php?g=581225&p=4011505

2. https://library.dsu.edu/c.php?g=22496&p=133198

3. https://www.iro.umontreal.ca/~nie/IFT6255/IR-Evaluation.pdf

4. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2000779/

Course outcomes

On successful completion of the course,

CO1: To learn the application of search techniques to various search tools.
CO2: To develop and execute a research strategy appropriate to the field.
CO3: To determine the perceived knowledge and navigational skills for searching on internet.
CO4: To know the different search techniques adopted while searching information on internet.
CO5: Select the appropriate search tool for the required information in the digital environment

INFORMATION SOURCES

COURSE CODE: 18UPLIS1S04 **HOURS**

MARKS : 100

L	T	P	C

Course Objectives

- To understand the types and scopes of information sources
- To know Categories of information sources
- To know features of different forms and sources of information
- To understand internet information sources
- To know the process of retrieving databases and on-line /web information resources in network environment.

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Types of Information Sources	Information Sources: features, Documentary Sources: Primary, Secondary and Tertiary and Institutional documents.	
II	Formats of Information Source	Print and Digital information sources, Evaluation of Information Sources	
III	Sources of Information	Reference sources, Bibliographic sources, Geographical sources, Citation sources.	
IV	Databases	E- Resources – Databases – Commercial – Open – DOAJ	
V	Institutional Repositories	Open access resources – Institutional Repositories.	

Text & Reference Books:

1. Krishan Kumar, (2009). Reference Services, Vikas Publishing house, 5th edition
2. Sharma,J.S & Grover, D.R : Reference Service and Sources of Information, New Delhi: EssEss, 1998.
3. Gurdev Singh: Information Sources and Services, Phi learning, 1st Ed 2013.

Web Resources:

1. http://epgp.inflibnet.ac.in
2. Shodhgangotri.inflibnet.ac.in>jspiu>bitstream>02-introduction
3. www.lisbdnet.com>brief-information-institutional-repository.

Course Outcomes

On successful completion of the course,

CO1: To deeply gained knowledge about information sources (print & electronic).
CO2: To Determine types and Forms of information sources.
CO3: To gained knowledge in databases for information sources.
CO4: Identify and use Internet information sources.
CO5: To develop evaluation and practical skills in dealing with information sources.

E - RESOURCES

COURSE CODE: 18UPLIS1S05 **HOURS**

L	T	P	C

MARKS : 100

Course objectives

- To learn the nature, features and limitations of E – resources.
- To know the different forms of information E-resources
- To know the retrieval and support tools in organizing and dissemination of E – resources.
- To describe how to evaluate different electronic information sources

Syllabus

Unit	Unit Title	Intended Learning Chapters (K1, K2)	Hours of Instruction
I	Introduction	Types of Electronic Information resources – Electronic Documentary – characteristics – Scope. Primary, Secondary and Tertiary sources.	
II	Types of reference sources	Electronic Ready Reference Sources –Types and value- Electronic Dictionaries, Electronic Encyclopedias, Biographical sources, Electronic Handbooks and Manuals.	
III	Bibliographical Source	Electronic Citation Sources, List of serials; Union Catalogues; – Indexing and abstracting sources.	
IV	Web resources	Digital Resources: E-Books, E-Journals, Databases and ETD, – Subject Gateways; Web Portals	
V	Evaluation of resources	Evaluation of Electronic Information sources – Print Reference sources; Web Resources	

Text & References:

1. Dickson, G.W. and Desanctis, G.. Information technology and the future enterprise: New models for managers. New Jersey: Prentice Hall.

Web Resources:

1. https://www.ifla.org/files/assets/acquisition-collection development/publications/electronic-resource-guide-2012.pdf
2. http://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/library_and_information_science/information_sources,_systems_and_services/04._reference_sources__use__and_evaluation_criteria,__e-information_sources/et/1916_et_et.pdf
3. https://ess.inflibnet.ac.in/

Course outcomes

On successful completion of the course,

CO1: They familiar with the variety of electronic information sources.
CO2: Gained knowledge about various reference and bibliographical sources as digital and Online.
CO3: Identify and use Internet information sources.
CO4: To acquaint students to sources of information in new media.
CO5: Ability to analyze and Evaluate Electronic Information sources.

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

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		
FIRST SEMESTER					CIA	EX	Tot
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.

I- SEMESTER

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

Practice:

- 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)

THIRD SEMESTER

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

Texts & References:

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

FOURTH SEMMESTER

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

Texts & References:

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.

Text & Reference:

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.

Texts & References

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

PERIYAR UNIVERSITY

Department of Library and Information Science

M.Phil., Library and Information Science

(With effect from the academic year 2018-2019 onwards)

Syllabus

PERIYAR UNIVERSITY
Periyar Palkalai Nagar, Salem – 636 011, Tamil Nadu

M.Phil., LIBRARY AND INFORMATION SCIENCE

REGULATIONS
(Candidates admitted from 2018 - 2019 onwards)

1. Eligibility

Candidates who have qualified for Postgraduate degree of Library and Information Science (M.L.I.S) under 10+2+3+2 (or) 10+2+5 (or) 10+2+3+1+1 of this University or any other University recognized by the syndicate as equivalent thereto shall be eligible to register for the Degree of Master of Philosophy (M. Phil.,) in their respective subject and undergo the prescribed course of study in an approved institution or department of this University.

Candidates, who have qualified their Postgraduate degree of Library and Information Science on or after 1st January 1991 shall be required to have obtained a minimum of 55% of marks in their respective postgraduate degrees to become eligible to undergo the prescribed course of study in an approved Institution or department of this University.

For the candidates belonging to SC/ST community and those who have qualified for the Master's degree before 01.01.1991, the minimum eligibility marks shall be 50% in their M.L.I.S Degree.

2. Duration

The duration of the M. Phil., the course shall extend over a period of one year from the commencement of the course.

3. Course of study

The course of study for the degree shall consist of (a) Part-I comprising three written papers according to the Syllabus prescribed from time to time and (b) Part-II Dissertation.

Part –I shall consist of Paper –I Research Methodology and Paper –II Cognate subject. There shall be a third paper which will be in the field of Specialisation relating to the proposed dissertation conducted internally by the Departments.

Part-II is Dissertation.

4. Scheme of Examination

Part-I Written Examination (Papers I, II & III)

The examination of papers I, II and III shall be held at the end of the year. The duration of each paper shall be 3 hours carrying a maximum of 100 marks.

Paper –III examination will be conducted by the Department and the marks obtained by the candidate along with the question paper and valued answer scripts shall be sent to the University at least 15 days before the commencement of the examinations of paper I and II.

The examiners will be appointed from a panel of four names for each paper (I and II) submitted by the Department concerned. If one examiner awards a pass mark and the other awards fail mark, the paper will be valued by a third examiner whose award of marks will be final. If the mark awarded by the first and second examiners varies more than 10, the third examiner whose award of marks will be final.

Part-II: Dissertation

The exact title of the Dissertation shall be intimated within one month after the completion of the written examination. Candidates shall submit the Dissertation to the University through the Supervisor and the Head of the Department at the end of the year from the commencement of the course which shall be valued by internal examiner (supervisor) and

one external examiner appointed by the University from a panel of four names sent by the Head of the Department at the time of submitting the Dissertation.

The examiners who value the Dissertation shall report on the merit of candidates as "Highly Commended" (75% and above) or "Commended" (50% and above & below 75%) or "Not Commended" (Below 50%).

If one examiner commends the Dissertation and the other examiner does not commend, the Dissertation will be referred to the third valuation and his/her valuation shall be final. Submission or resubmission of the Dissertation will be allowed twice a year.

Scheme of Examination

The allotment of marks for (i) Theory (ii) Dissertation and Viva-Voce are as follows:

Sl. No	Name of the paper	Number of credits	Hours per week	Maximum Marks			Examination Hours
				Continuous Assessment	End Semester Examination	Total	
01	Course - I: Research Methodology	4	4	25	75	100	03
02	Course - II: Cognate Subject	4	4	25	75	100	03
03	Course - III: Field of Specialization	4	4	25	75	100	03
Total for Course Work		**12**	**12**	**75**	**225**	**300**	
04	Dissertation Viva-voce	8+4		50	50^{+}	200	
05					100^{*}		
Total for M.Phil Programme		**24**		**125**	**375**	**500**	

$^{+}$ **Evaluation by the external Examiner: 50 Marks**

- **Joint viva – voce 100 marks (Research Supervisor 50 Marks + External Examiner 50 marks)**

Scheme of Internal assessment for course I, II and III

Test: 10 Marks

Seminar: 10 Marks

Attendance: 05 Marks

Total: 25 Marks

S.No	Paper	Title of Paper	Exam Hrs.	Max. Marks
Part I				
1.	Paper I	Research Methodology	3	100
2.	Paper II	Innovative Technologies for Library and Information Services	3	100
3.	Paper III	Field of Specialization	3	100
Part II	-	Dissertation	-	200
			TOTAL	500

5. Passing Minimum

A candidate shall be declared to have passed Part-I of the examination if he/she secures not less than 50% of the marks in each paper including Paper-III for which examination is conducted internally.

A candidate shall be declared to have passed Part-II of the examination if his/her dissertation is at least commended, or else the candidate shall be declared to have failed in the examination.

6. Restriction in number of chances

No candidate shall be permitted to reappear for the written examination in any paper on more than two occasions or to resubmit a Dissertation more than once. Candidates shall have to qualify for the degree passing all the written papers and dissertation within a period of three years from the date of commencement of the course.

7. Conferment of Degree

No candidate shall be eligible for conferment of the M.Phil degree unless he/she is declared to have passed both the parts of the examination as per the regulations

8. Qualifications for persons conducting the M. Phil., course

No teacher shall be recognized as a Supervisor unless he/she possesses a Ph. D., degree or two years of PG teaching experience after qualifying for M. Phil., Degree.

9. Detailed Syllabus for M.Phil., in Library and Information Science (Choice Based Credit System)

Part	Course	Course code	Name of the Course	Credits	Marks		
					IA*	UE**	Total
I	I	18URLISC01	Research Methodology	4	25	75	100
	II	18URLISC02	Innovative Technologies for Library and Information Services	4	25	75	100
	III	18URLISE01	User Studies	4	25	75	100
		18URLISE02	Bibliometrics	4	25	75	100
		18URLISE03	Digital Library	4	25	75	100
		18URLISE04	Marketing of LIS Products And Services	4	25	75	100
		18URLISE05	Industry Information Centre	4	25	75	100
II	IV	18URLISD01	Dissertation and Evaluation Viva-voce	8+4 (12)	50	100 50	150 50
			Total	**24**			**500**

* Internal Assessment
** University Examination

PAPER I

RESEARCH METHODOLOGY

Paper-I

18URLISC01: RESEARCH METHODOLOGY

Objectives:

- To understand the concept of research, tools and quantitative techniques for data analysis and consolidation
- To learn the patterns of scholarly communication and it's types.

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 – Plagiarism.

Unit – II

Research Design: Identification, Selection and Formulation of a Research Problem, Characteristics of the 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 - 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, ANOVA; Graphical presentation of Data.

Unit – V

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

Learning Outcomes:

- Getting them acquainted with the emerging research tools and techniques
- Acquired the knowledge of report and research article writing and check the plagiarism

Recommended Readings:

1. **Kothari, C. R**. Research Methodology – Methods & Techniques. New Age International, New Delhi, 3rd edi, 2014.
2. **Krishnaswami, O.R.** *Methodology of Research in Social Sciences,* Himalaya Pub.House-New Delhi, 2013.
3. **Santhosh Gupta,** Research Methodology, and Statistical Techniques. Deep and Deep, New Delhi, 2002.
4. **Jude Carroll, Kate Williams,** Referencing and Understanding Plagiarism, Palgrave MacMillan.
5. **Lynn Silipigni Connaway and Marie L. Radford**. Basic Research Methods for Librarian, 5th Edition, Libraries Unlimited.

Web Resources:

1. http://my.jessup.edu/writingcenter/wp-content/uploads/sites/16/2014/06/Style-Guide-Comparison-Chart_Updated-9-27-16.pdf
2. https://onlinecourses.nptel.ac.in/noc18_ge12/preview

M.PHIL.DEGREE EXAMINATION

LIBRARY AND INFORMATION SCIENCE

FIRST SEMESTER

PAPER-I

RESEARCH METHODOLOGY

Time: 3 Hours

Maximum: 75 Marks

Answer any five questions

All questions carry equal marks

1. What are the different steps involved in the research process? Discuss in detail.
2. What is Hypothesis? Explain the types and characteristics of a good hypothesis.
3. What are the different types of Data collection methods followed in Research? Explain any one of them in detail.
4. What are the statistical tools and Techniques used for analyzing the data? Briefly explain any one of the statistical tools.
5. Write an essay on Regression and Correlation Analysis in Research.
6. How do you prepare research report? Explain the structure of presentation of the good research report.
7. What is a multimedia tool? Explain briefly multimedia tools applicable to research.
8. Write short notes on any **THREE** of the followings**:**

    a) APA
    b) MLA
    c) Research Design
    d) Questionnaire
    e) Scientific Method of Research
    f) Plagiarism - Software

PAPER II

INNOVATIVE TECHNOLOGIES FOR LIBRARY AND INFORMATION SERVICES

PAPER II

18URLISC02: INNOVATIVE TECHNOLOGIES FOR LIBRARY AND INFORMATION SERVICES

Objectives:

To learn the emerging concepts in Library and Information Science

To understand the networking and open source software

Unit – I Communication Technology and Automation of Libraries

Web enabled Information Sources and Systems – Definition, Concept, Scope and its application in Library Management.

Unit-II Library Networking

Design and Development of Information Sytems – Subject Gateways, Digital Portfolios, Profile Management System and Information Portals.

Unit – III Open Source Softwares

OSS for Web & Mobile enabled information services, OSS: Definition, Advantages, and disadvantages – OSS; IR, LMS, CMS: JOOMLA, MOODLE, Publishing.

Unit –IV: Digital Library

Digital Libraries – Concept, need, characteristics- Infrastructural facilities - Digitization software – D-space- Greenstone- E-print- Planning of Digitization – Digital Library Initiatives in India – National Digital Library of India (https://ndl.iitkgp.ac.in/).

Unit –V: International Information Systems and Network

UNESCO, INIS, AGRIS, Resource Sharing - Tools for Resource Sharing – Cloud computing and Library applications – Barriers – Library Consortium; Concepts, Need- Types of Consortium- National and International Consortium Initiatives.

Learning Outcomes:

- Students will be familiar with emerging concepts to a greater extent.
- Students can individually install and customize the Digital Library software.

Recommended Readings:

1. **Lucy A. Tedd Andrew Large**, Digital Libraries Principles and Practice in a Global Environment, K· G· Saur München 2005. (e-book)
2. **Laurent, St**, Understanding Open Source and Free Software Licensing, Shroff Publishers, 2016.
3. **Sardhana, J.L.,** Cloud Computing: Its Applications in Libraries, GB Books, 2015.
4. **Rajaraman, V.** Fundamentals of Computers, New Delhi: PHI, 2014

Web Resources:

i. http://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/library_and_information_science/academic_libraries/15a._resource_sharing,_networks_&__consortia-2/et/2013_et_15-a.pdf
ii. http://delnet.nic.in/
iii. http://www.inflibnet.ac.in/infonet/
iv. https://ndl.iitkgp.ac.in/

MODEL QUESTION PAPER

M.PHIL.DEGREE EXAMINATION

LIBRARY AND INFORMATION SCIENCE

FIRST SEMESTER

PAPER-II

INNOVATIVE TECHNOLOGIES FOR LIBRARY AND INFORMATION SERVICES

Time : 3 Hours

Maximum: 75 Marks

Answer any five questions

All questions carry equal marks

1. Explain the origin and growth of Information and Communication Technology.
2. Impact of ICT in modern libraries?- Explain.
3. Discuss the various modules in Library Automation.
4. Explain the features of the Automated circulation system.
5. What is computer networking? Describe various types of networks.
6. What are the different operating systems used in libraries?. Explain them briefly.
7. Explain the generation of computers in detail.
8. Write short notes on any THREE of the following:

    a) WINISIS
    b) D-space
    c) Types of computers
    d) OCR
    e) UGC-INFONET

PAPER III

SPECIALIZATION PAPERS

PAPER III

18URLISE01: USER STUDIES

Objectives:

1. To study the concept of information seeking behavior of users and their needs
2. To learn about information literacy concepts, methods, and standards

Unit-I: Library User and Information Seeking Behaviour

Library users and users needs - Information Seeking Behaviour – Concept, definition, need and purpose, Models - Types and Techniques.

Unit-II: User Survey

User survey: basic concept – Definition and Categories – Aims and objectives – Importance of user studies – Need for conducting user survey.

Unit – III: User studies in Academic Libraries

University and college library user behavior – evolving a theory of user behavior – characteristics having effects of user behavior – Limitations in behavioral research in librarianship.

Unit – IV: User Education (Models)

User education – Need – Purpose – Methods - online user education – Users approaches towards resources - Evaluation of user education programmes- Information Literacy.

Unit –V: Evaluation of User studies

Evaluation of user studies; criteria, Techniques of evaluation – Crane field study - Questionnaire method, Interview method and record analysis method.

Learning Outcomes:

- To familiarize the concepts and theories related to user studies and information seeking behavior.
- Able to contribute to innovative thinking and processes in the digital environment.

Recommended Readings:

1. **Das, Kailas Chandra, and Patra, Partha Sarathy**. Information Literacy and Seeking Behaviour in Management Institution. SSDN Publishers, New Delhi, 2012.
2. **Ellis, David.** Modeling the Information Seeking Patterns of Academic Researchers: A Grounded Theory approach. Library Quarterly. 63 (4),1993.pp469-486
3. **Kumar, PSG.** Use and User Studies. BR Publications, New Delhi, 2006
4. **Prasad, H.N.** Information Needs, and Users, B.R Publishing Corporation, New Delhi, 1991.
5. **Sridhar, MS**. Library Use, and User Research. Concept Publishing Co., New Delhi, 2002.
6. **Wilson, T.D.** On User studies and Information needs. Journal of Documentation. 62 (6),2006,pp 658-670

Web Resources:

1. http://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/s000021li/p000245/m002180/et/145267998207-et.pdf
2. http://epgp.inflibnet.ac.in/epgpdata/uploads/epgp_content/library_and_information_science/information_sources,_systems_and_services/16._user_studies,_users27_education_/et/1932_et_et.pdf

MODEL QUESTION PAPER

M.PHIL DEGREE EXAMINATION
LIBRARY AND INFORMATION SCIENCE

PAPER-III: USER STUDIES

Time: 3 hours

Maximum marks: 75

Answer any FIVE questions

All questions carry equal marks

1. Define user study. Discuss the need and importance of user studies.
2. What is bibliographic instruction? Prepare a bibliographic instruction programme for the undergraduate students.
3. What is evaluation? Discuss the various methods used in evaluation user education programmes.
4. Discuss the user orientation programme in ICT era.
5. Critically evaluate the important user studies conducted in India.
6. What is information seeking behavior? Explain the categories of users and the factors influencing their information seeking behavior.
7. Explain the different forms of information sources in a university library.
8. Write Short notes on any THREE of the followings:
   a) Questionnaire method
   b) Traveling Workshops Experiment
   c) Orientation Method
   d) Problems of user studies
   e) Tools of User education

PAPER III

18URLISE02 - BIBLIOMETRICS

Objectives:

1. To familiarize with fundamental laws of Bibliometrics and its tools.
2. To learn the publication indicators, citations, impact factors, and h-index.

Unit – I: Development of Bibliometrics

Bibliometrics –Concepts, Scope, Evaluation – Librametrics, Bibliometrics, Scientometrics, Webometrics, Altmetrics.

Unit – II: Biblometric Laws

Theory and Laws - Zipf's law, Lotka's Law, Bradford's Law, Price Theory and circulation theory – Bibliometric Techniques; Doubling time, Relative Growth, Activity Index, Mapping of subjects, Cluster ranking.

Unit – III: Assessment of Research Productivity

Identifying and defining literature – the study of the structure of documents – Authorship studies; Authorship Pattern – Collaboration; Authors, Institutional, and countries- Funding Agencies.

Unit – IV: Citation

Meaning, Scope, Forms of Citations, Impact Factor, Citation analysis – H Index – Activity Index - G-index, Google Scholar, I10 Index, SJR, SNIP – Tools - Histcite, VOS Viewer, BibExcel.

Unit – V: Indexing and Citation Databases

Web of Science – Scopus - PubMed – Google Scholar – EBSCO

Learning Outcomes:

1. Gained knowledge about citation index and citation database.
2. To the understanding of various laws of Bibliometrics

Recommended Readings:

1. Rafael Ball. An introduction to Bibliometrics 1 st Ed Chandos Publishing 2017.
2. Srivastava.R : Bibliometrics: New Dimensions and latest trends, Alfa publications 2011.
3. Ingwersen, P. Scientometric indicators and webometrics -- and the poly representation principle information retrieval. New Delhi: Ess Ess Publications.

Web Resources:

1. https://ndl.iitkgp.ac.in/result?q={%22t%22:%22search%22,%22k%22:%22BIBLIOMETRICS%22,%22s%22:[],%22b%22:{%22filters%22:[]}}
2. https://swayam.gov.in/course/4009-scientometrics

MODEL QUESTION PAPER

M.PHIL.DEGREE EXAMINATION

LIBRARY AND INFORMATION SCIENCE

PAPER-III: BIBLIOMETRICS

Time : 3 Hours

Maximum: 75 Marks

Answer any Five questions

All questions carry equal marks

1. State the origin and development of Bibliometric studies.
2. What is impact factor? How it will be helpful for ranking of Journals
3. What are the various testing techniques to measure the effectiveness of abstracting and indexing services?
4. Explain Bibliographic coupling.
5. Discuss in detail: Citation databases.
6. Discuss co-citation, self-citation and h-Index.
7. Discuss various bibliometric Laws.
8. Write short notes on any **THREE** of the followings:

    a) Doubling Time
    b) Librametrics
    c) Authorship Pattern
    d) Cluster-ranking technique
    e) Mapping of subjects

PAPER III

18URLISE03: DIGITAL LIBRARIES

Objectives:

- To know the basic knowledge related to digital library systems
- To learn the applications of software and standards in developing a digital library

UNIT – I: INTRODUCTION TO DIGITAL LIBRARIES

Digital Libraries: Definitions, Concept, Characteristics, functions, advantages and Disadvantages.

Unit – II: Digital Library Management

Management of Digital Library - Design and Organization of Digital Libraries: Architecture – Protocols – Metadata – Standards – CCF – MARC – 21 – Dublin Core.

Unit – III: Digital Library Collections

Digital Resources: E-Books, E-Journals, Databases and ETD – Subject Gateways; Web Portals – Storage, Archiving and preservation of digital collections – Limitations.

Unit – IV: Digital Library Initiatives

Overview of Major Digital Library Initiatives- Digital Library Initiatives in India; INSA, medIND, ETD, Vidhyanidhi, NPTEL, TKDL - Open Source Initiatives: – Open Access Initiatives, OAI / PMH.

Unit – V: Digitization of Documents

Building the digital library - Digitization – process and methods – Planning for Digitization - Institutional Repositories- Open Source Software for digital libraries: GSDL - D-Space – E-Prints - Supporting software - Server - Future of Digital Libraries.

Learning Outcomes:

1. To familiar with various electronic resources
2. Acquired knowledge and skills in creating Digital library

Recommended Readings:

1. **Chowdhury, G.G.** Introduction to Digital Libraries. London: Facet, 2003.
2. **Michael Lesk**. Understanding Digital Libraries, Morgan Kaufmann; 2 edition.
3. **Chunxiao Xing Fabio Crestani Andreas Rauber** (Eds.). Digital Libraries: For Cultural Heritage, Knowledge Dissemination, and Future Creation, Springer, 2011.
4. **Kahn, Miriam,** Protecting your library's digital sources: the essential guide to planning and preservation, American Library Association, 2004.
5. **Rajaraman V**. Fundamentals of Computers, PHI, 2014.

Web Resources:

1. https://ndl.iitkgp.ac.in/
2. http://nptel.ac.in/
3. www.tkdl.res.in/
4. http://www.wtec.org/loyola/digilibs/toc.htm

MODEL QUESTION PAPER

M.PHIL DEGREE EXAMINATION

LIBRARY AND INFORMATION SCIENCE

PAPER III: DIGITAL LIBRARIES

Time: 3 hours Maximum: 75 marks

Answer any FIVE questions

All questions carry equal marks

1. Digital Library: Define and discuss in details of various characteristics of Digital libraries.
2. What do you understand digital data formats? Describe the different types of formats.
3. What is metadata? Describe various types.
4. Define the Institutional Repositories and its attributes.
5. What do you understand by digitization of the Library materials: Discuss in detailed.
6. What is Server? Describe various types of server
7. Discuss the major digital library initiatives in India?
8. Write Short Notes on any THREE of the followings:

    a) GSDL
    b) Dublin Core
    c) Dspace
    d) ETD
    e) OAI/PMH

PAPER III

18URLISE04: MARKETING OF LIS PRODUCTS AND SERVICES

Objectives:

1. To Learn the marketing strategies of Information Products and Services
2. To Understand the Product Lifecycle and pricing of information

Unit-I

Marketing of Information; Definition, Purpose- Information marketing – National and Global Scenario.

Unit-II

The user needs – Economics of Information – Pricing Theory; Factors influencing prices, 7Ps, 7Cs in marketing – Branding –Promotion.

Unit-III

Marketing of Library Products; Literature search, Current Awareness Service, Article Alert Service, Upcoming Conferences / Seminars / Workshops, Selective Dissemination of Information, Photocopy, Reference Service, Circulation of periodical contents, Abstracting and Indexing Services, Translation Service, Inter-Library Loan, Patent Information, Web-based Database access etc.,

Unit-IV

Marketing Research – Recent trends in marketing – Marketing Information System- Online marketing Research – Service Marketing.

Unit -V

Information and Publishing Industries – National and International – Electronic Content Management - Evaluation of User Satisfaction.

Learning Outcomes:

- Able to apply current technical concepts on Marketing skills to promote the Library services
- Attained the skills of information products and marketing based on user needs

Recommended Readings:

1. **Dinesh K. Gupta, Christie Koontz, Angels Massimo, & Réjean Savard (Eds.),** Marketing library and information services: International perspectives, Munich: K.G. Saur, 2006.
2. **Dinesh K. Gupta, Christie Koontz & Àngels Massísimo (Eds.),** Marketing Library and Information Services II A Global Outlook, Berlin/Munich: De Gruyter Saur, 2013.
3. **James L. Mullins (ed.),** Library Management and Marketing in a Multicultural World, Munich: K.G. Saur, 2007.
4. **Sueli Mara Soares Pinto Ferreira & Réjean Savard (Eds.),** The Virtual Customer: a new paradigm for improving customer relations in libraries and information services, Munich: K.G. Saur, 2006.
5. **Lovelock,** Services Marketing (English) 7th Edition (People, Technology, Strategy)**,** Pearson India.
6. **Dinesh Gupta**, A New Paradigm of Library and Information Services Marketing, Chandos Publishing.
7. **R. SRINIVASAN**, SERVICES MARKETING: THE INDIAN CONTEXT, PHI.
8. **UNESCO,** Introduction to Policies on Marketing Library and Information Services.
9. **Ajay Kumar Sharma,** Marketing, and Promotion of Library Services **http://crl.du.ac.in/ical09/papers/index_files/ical-79_73_172_2_RV.pdf**
10. **Dinesh K. Gupta,** Marketing Library, and Information Services. **http://mapageweb.umontreal.ca/savardr/pdf/Gupta_Savard_ELISbis.pdf**

Web Resources:

1. www.aslib.co.uk
2. www.ala.org
3. www.chrisolson.com/marketingtreasures
4. www.ifla.org/vii/s34/somm

MODEL QUESTION PAPER
M.PHIL DEGREE EXAMINATION
LIBRARY AND INFORMATION SCIENCE

PAPER III: Marketing of LIS Products And Services

Time: 3 hours Maximum: 75 marks

Answer any FIVE questions

All questions carry equal marks

1. Describe the characteristics of services in the library
2. Describe Marketing research. Explain the steps involve in marketing research?
3. Explain factors influencing pricing in LIS products.
4. Explain Marketing Information Systems.
5. How to measure Customer satisfaction?
6. Explain Advertising and various types of advertisement.
7. Briefly, discuss National and International databases.
8. Write Short Notes on any THREE of the following:
    - i) 7Ps in Marketing
    - ii) Literature search service
    - iii) Name the Abstracting and Indexing agencies
    - iv) Define Information, Sources of Information
    - v) How should Library Professionals do for Marketing of library and Information Services?

PAPER III

18URLISE05: INDUSTRY INFORMATION CENTRE

Objectives:

- Information centre is to organize and to make the documents available to the users.
- To help people involved in research to identify and retrieve the specific information they need in their research.

Unit – I

Introduction – Need and Functions of Industries Libraries, Types of Industry libraries and types of users and their need.

Unit – II

Collection Development – Objectives and Purpose, Collection development Planning, Implementation and evaluation. Book selection procedure and policies. Selection and Acquisition of books, periodicals, technical reports, patents, standard, government documents, non-book materials including electronic publications: Organization of Information Resources including non-book and electronic publications; Planning and Organization of Library and Information Services.

Unit – III

Web enabled information services, Social networks – Blogs, Twitters, Face book, Research Gate, Google Scholar.

Unit – IV

Industry Communication - Bulletin listing new books, pamphlets, and trade catalogues compilation of bibliographies.

Unit – V

Resource Sharing and Networking of Industry Libraries in India and International.

Learning Outcomes:

Students get through knowledge about Industry libraries.
Students are capable to manage R&D and special libraries

Recommended Readings:

1. **Porter, Marjorie J**., Best Practices for Corporate Libraries, Libraries Unlimited; 1 edition, 2011. (e-Book)
2. **Connolly, Suzanne**. Knowledge and Special Libraries: Series: Resources for the Knowledge-Based Economy, Butterworth-Heinemann, 1999 (e- Book)
3. **Bopp, Richard E**., Reference and Information Services, ABC-CLIO, LLC, 2011. (e-Book)

PERIYAR UNIVERSITY

Department of Library and Information Science

M.Phil., Library and Information Science

(with effect from the academic year 2016-2017 onwards)

Syllabus

PERIYAR UNIVERSITY
Periyar Palkalai Nagar, Salem – 636 011, Tamil Nadu

M.Phil., LIBRARY AND INFORMATION SCIENCE

REGULATIONS
(Candidates admitted from 2016-2017 onwards)

1. Eligibility

Candidates who have qualified for postgraduate degree of Library and Information Science (M.L.I.S) under 10+2+3+2 (or) 10+2+5 (or) 10+2+3+1+1 of this University or any other University recognized by the syndicate as equivalent thereto shall be eligible to register for the Degree of Master of Philosophy (M. Phil.,) in their respective subject and undergo the prescribed course of study in an approved institution or department of this University.

Candidates, who have qualified their postgraduate degree of Library and Information Science on or after 1st January, 1991 shall be required to have obtained a minimum of 55% of marks in their respective postgraduate degrees to become eligible to undergo the prescribed course of study in an approved Institution or department of this University.

For the candidates belonging to SC/ST community and those who have qualified for the Master's degree before 01.01.1991 the minimum eligibility marks shall be 50% in their M.L.I.S Degree.

2. Duration

The duration of the M. Phil., course shall extend over a period of one year from the commencement of the course.

3. Course of study

Course of study for the degree shall consist of (a) Part-I comprising three written papers according to the Syllabus prescribed from time to time and (b) Part-II Dissertation.

Part –I shall consist of Paper –I Research Methodology and Paper –II Cognate subject. There shall be a third paper which shall be the field of Sepecialisation relating to the proposed Dissertation conducted internally by the Departments.

Part-II is Dissertation.

4. Scheme of Examination

Part-I Written Examination (Papers I, II & III)

The examination of papers I, II and III shall be held at the end of the year. The duration for each paper shall be 3 hours carrying a maximum of 100 marks.

Paper –III examination will be conducted by the Department and the marks obtained by the candidate along with the question paper and valued answer scripts shall be sent to the University at least 15 days before the commencement of the examinations of paper I and II.

The examiners will be appointed from the panel of four names for each paper (I and II) submitted by the Department concerned. If one examiner awards a pass mark and the other awards fail mark the paper will be valued by a third examiner whose award of marks will be final. If the mark awarded by the first and second examiners varies more than 10, the third examiner whose award marks will be final.

Part-II: Dissertation

The exact title of the Dissertation shall be intimated within one month after the completion of the written examination. Candidates shall submit the Dissertation to the University through the Supervisor and the Head of the Department at the end of the year from the commencement of the course which shall be valued by internal examiner (supervisor) and one external examiner appointed by the University from a panel of four names sent by the Head of the Department at the time of submitting the Dissertation.

The examiners who value the Dissertation shall report on the merit of candidates as "Highly Commended" (75% and above) or "Commended" (50% and above & below 75%) or "Not Commended" (Below 50%).

If one examiner commends the Dissertation and the other examiner does not commend, the Dissertation will be referred to the third valuation and his/her valuation shall be final. Submission or resubmission of the Dissertation will be allowed twice a year.

Scheme of Examination

The allotment of marks for (i) Theory (ii) Dissertation and Viva-Voce are as follows:

Sl. No	Name of the paper	Number of credits	Hours per week	Maximum Marks			Examination Hours
				Continuous Assessment	End Semester Examination	Total	
01	Course - I: Research Methodology	4	4	25	75	100	03
02	Course - II: Cognate Subject	4	4	25	75	100	03
03	Course - III: Field of Specialization	4	4	25	75	100	03
Total for Course Work		**12**	**12**	**75**	**225**	**300**	
04	Dissertation Viva-voce				50^{+}		
05		8+4		50	100^{*}	200	
Total for M.Phil Programme		**24**		**125**	**375**	**500**	

$^{+}$ **Evaluation by the external Examiner : 50 Marks**

- **Joint viva – voce 100 marks (Research Supervisor 50 Marks + External Examiner 50 marks)**

Scheme of Internal assessment for course I, II and III

Test : 10 Marks
Seminar : 10 Marks
Attendance : 05 Marks
Total : 25 Marks

S.No	Paper	Title of Paper	Exam Hrs.	Max. Marks
Part I				
1.	Paper I	Research Methodology	3	100
2.	Paper II	Emerging Trends in Library and Information Science Research	3	100
3.	Paper III	Field of Specialization	3	100
Part II	-	Dissertation	-	200
			TOTAL	500

5. Passing Minimum

A candidate shall be declared to have passed Part-I of the examination if he/she secures not less than 50% of the marks in each paper including Paper-III for which examination is conducted internally.

A candidate shall be declared to have passed Part-II of the examination if his/her dissertation is atleast commended, or else the candidate shall be declared to have failed in the examination.

6. Restriction in number of chances

No candidate shall be permitted to reappear for the written examination in any paper on more than two occasions or to resubmit a Dissertation more than once. Candidates shall have to qualify for the degree passing all the written papers and dissertation within a period of three years from the date of commencement of the course.

7. Conferment of Degree

No candidate shall be eligible for conferment of the M.Phil., degree unless he/she is declared to have passed both the parts of the examination as per the regulations.

8. Qualifications for persons conducting the M. Phil., course

No teacher shall be recognized as a Supervisor unless he possesses a Ph. D., degree or two years of PG teaching experience after qualifying for M. Phil., Degree.

9. Detailed Syllabus for M.Phil., in Library and Information Science (Choice Based Credit System)

Part	Course	Course code	Name of the Course	Credits	Marks		
					IA*	UE**	Total
I	I	16URLISC01	Research Methodology	4	25	75	100
	II	16URLISC02	Emerging Trends in Library and Information Science	4	25	75	100
	III	16URLISE01	User Studies	4	25	75	100
		16URLISE02	Bibliometrics	4	25	75	100
		16URLISE03	Digital Library	4	25	75	100
		16URLISE04	Library Management and Marketing Library Resources	4	25	75	100
II	IV	16URLISD01	Dissertation and Evaluation Viva-voce	8+4 (12)	50	100 50	150 50
			Total	**24**			**500**

* Internal Assessment
** University Examination

PAPER I

RESEARCH METHODS AND TECHNIQUES

Paper-I

16URLISC01: RESEARCH METHODS AND TECHNIQUES

Unit – I

Research: Meaning, Concept, Characteristics and Types; Pure, Applied, Action and Inter Disciplinary Research – Ethics in research – Plagiarism.

Unit – II

Research Problem: Identification, Selection and Formulation of a Research Problem - Research design: Types - Literature Search and Review of Literature - Hypotheses – Definition - Types and Characteristics – Testing of hypotheses.

Unit – III

Research Methods: Survey – Historical – Case Study – Experimental – Sampling and Sampling Techniques.

Unit – IV

Data Collection: Data Sources – Primary Sources and Secondary Sources - Data Collection Methods – Questionnaire, Interview, Schedule, Observation, Delphi - Data Analysis: Analysis and Interpretation – Statistical Tools and Techniques – Measures of Central Tendency - Frequency Distribution - Regression and Correlation- SPSS – ANOVA – T test – Chi Square – Z test – MANOVA.

Unit – V

Computer application for research: Use of Graphical software: VoS Viewer, Use of Multimedia tools - Presentation of Data: Tabular and Graphical presentation - Report Writing – Style Manuals; Modern Language Association (MLA) – American Psychological Association (APA) -Chicago Style Manual.

References:

1. **Busha, Charles H. and Harter, Stephen P**. Research Methods in Librarianship: Techniques and Interpretation. New York: Academic Press, 1980.

2. .**Devarajan, G.** Research in Library & Information Science. New Delhi; Ess Ess, 2002.

3. Gibaldi, Joseph. MLA Handbook for writers of Research Papers, New Delhi, Affiliated East – West Press, 2004

4. **Gopal, M. H**. An Introduction to Research Procedure in Social Science. Bombay: Asia, 1964.

5. **Goode, William J. and Hatt, Paul K**. Methods in Social Research. New York: McGraw Hill, 1952.

6. **Kothari, C. R**. Research Methodology – Methods & Techniques. New Delhi; Vishwa Prakasam., 1996.

7. .**Krishan Kumar**. Research Methods in Library and Information Science, New Delhi Vikas; 1992.

8. **Murray, R and Moore, S.** The Hand Book of Academic writing . Maidenhead. Poen University Press, 2006.

9. **Panda, B. D**. Research Methodology for Library Science. New Delhi; Anmol, 1997.

10. **Ravichandara Rao, I. K**. Qualitative Methods for Library and Information Science. New Delhi: Wiley Eastern, 1985.

11. **Santhosh Gupta.** Research Methodology and Statistical Techniques. New Delhi; Deep and Deep, 2000.

12. **Sehgal, R. L**. Applied Statistics for Library Science Research. 2 Vols. New Delhi; Ess Ess, 1998.

13. **Jude Carroll , Kate Williams** Referencing and Understanding Plagiarism, Palgrave MacMillan.

14. **Young, Pauline V. and Schmid, C. F.** Scientific Social Surveys and Research. New Delhi: Prentice Hall, 1984.
15. **Sinha P.K.** (2014), Computer Fundamentals, BPB Publications, New Delhi, 2014.

M.PHIL.DEGREE EXAMINATION

LIBRARY AND INFORMATION SCIENCE

FIRST SEMESTER

PAPER-I

RESEARCH METHODS AND TECHNIQUES

Time: 3 Hours

Maximum: 75 Marks

Answer any five questions

All questions carry equal marks

1. What are the different steps involved in research process? Discuss in detail.
2. How do you design your research? Explain types of Research design and their characteristics.
3. What is Hypothesis? Explain the types and characteristics of good hypothesis.
4. What are the different types of Data collection methods followed in Research? Explain any one of them in detail.
5. What are the statistical tools and Techniques used for analysis the data? Briefly explain any one of the statistical tools.
6. Write an essay on Regression and Correlation Analysis in Research.
7. How do you prepare research report? Explain the structure of presentation of good research report.
8. What is multimedia tool? Explain briefly multimedia tools applicable in research.
9. Write short notes on any **THREE** of the followings**:**

    a) APA
    b) MLA
    c) Research Design
    d) Questionnaire
    e) Scientific Method of Research
    f) Plagiarism - Software

PAPER II

EMERGING TRENDS IN LIBRARY AND INFORMATION SCIENCE

PAPER II

16URLISC02: EMERGING TRENDS IN LIBRARY AND INFORMATION SCIENCE

Unit – I Communication Technology and Automation of Libraries

Information and Communication Technology – Emerging trends – Role of ICT in Library and Information centre - Library automation: Study and Planning for Automation, Computerization of Various House Keeping Operations, OPAC, Web OPAC, Remote Access - Types of Network; Server; Types.

Unit-II Networking and Library software packages

Library Networks in India – NICNET, INDONET, INFLIBNET, ERNET, DELNET – International library network; OCLC, INLN.

Unit – III Open Source Software

OSS: definition, Advantages and disadvantages – OSS; IR, LMS, CMS: JOOMLA, MOODLE, Publishing.

.

Unit –IV: Digital Library

Digital Libraries – Concept, need, characteristics- Infrastructural facilities - Digitization software's – D-space- Greenstone- E-print- Planning of Digitization – Digital Library Development in India.

Unit –V: Resource Sharing and Consortia

Resource Sharing - Tools for Resource Sharing – Cloud computing and it's library applications – Barriers – Library Consortium; Concepts, Need- Types of Consortium- National and International Consortium Initiatives.

References:

1. **Carter, Roger:** The Information Technology Hand Book, London, and Henemann, 1987.
2. **Chowdhury, G.G**. Introduction to Digital Libraries. London: Facet, 2003.
3. **Cooper, Michael D**. Design of Library Automation Systems: File Structures, Data structures and tools. New York: Wiley & Sons,1996.
4. **Cortez, E.M. and Smorch, T.** Planning second generation Automated Library. Westport, CT: Green wood press, 1993.
5. **Gorman, G,E.** Digital factor in Library and Information Services. London: Facet Publishing, 2002.
6. **Haynes, David**. Metadata for Librarianship in India. London: Green wood press, 2004.
7. **Iyer, V.K**. Management of Library Information services, . New Delhi, Rajat Publicaitons, 2002.
8. **Jeanne, F.M**. A Librarian's Guide to the Internet: A Guide to searching and evaluating information, Oxford: Chandos Publishing, 2006.
9. **Lancaster, F.W**. Electronic Publishing and their implications for Libraries and beyond, London, Clive bingley, 1990.
10. **Laurent, St**-., Understanding Open Source and Free Software Licensing, Shroff Publishers, 2016.
11. **Moorthy, T.A. and Jain, S.P.** Network Access to electronic Documents and its copyright Implications, FID conference proceedings, New Delhi, INSDOC, 2005.
12. **Patel, Jashu**. Libraries and Librarianship in India. London, Greenwood Press, 2001.
13. **Bala,Krishnan Shyama and Paliwal,P. K**.,ed. Networking and the future of libraries. New Delhi: Anmol Publishing,
14. **Rajaraman, V.** Fundamentals of Computers, New Delhi: PHI, 2001
15. **Ravichandra Rao, I.K**. Library Automation. New Delhi, Wiley Eastern Ltd., 1990.
16. **Velte , Anthony T**., Cloud Computing A Practical Approach, Mcgraw Hill Education, 2010.
17. **Sardhana, J.L.,** Cloud Computing: Its Applications in Libraries, GB Books, 2015.

MODEL QUESTION PAPER

M.PHIL.DEGREE EXAMINATION

LIBRARY AND INFORMATION SCIENCE

FIRST SEMESTER

PAPER-II

EMERGING TRENDS IN LIBRARY AND INFORMATION SCIENCE RESEARCH

Time : 3 Hours

Maximum : 75 Marks

Answer any Five questions

All questions carry equal marks

1. Explain the origin and growth of Information and Communication Technology.
2. Impact of ICT in modern libraries?- Explain.
3. Discuss the various modules in Library Automation.
4. Explain the features of Automated circulation system.
5. What is computer networking? Describe various types of networks.
6. What are the different operating systems used in libraries?. Explain them briefly.
7. Explain the generation of computers in detail.
8. Briefly discuss OCLC role and responsibility.
9. **Writ short notes on any THREE of the following:**

    a) WINSIS
    b) D-space
    c) Types of computers
    d) OCR
    e) UGC-INFONET

PAPER III

SPECIALIZATION PAPERS

PAPER III

16URLISE01: USER STUDIES

Unit-I: Library User and Information Seeking Behaviour

Library users and users needs - Information Seeking Behaviour – Concept, definition, need and purpose, Models - Types and Techniques.

Unit-II: User Studies

User studies: basic concept – Definition and Categories – Aims and objectives – Importance of user studies – Need for conducting user studies.

Unit – III: User studies in Academic Libraries

University and college library user behaviour – evolving a theory of user behaviour – characteristics having effects of user behaviour – Limitations in behavioural research in librarianship.

Unit – IV: User Education

User education – Need – Purpose – Methods - online user education – Users approaches towards resources - Evaluation of user education programmes- Information Literacy.

Unit –V: Evaluation of User studies

Evaluation of user studies; criteria, Techniques of evaluation – Crane field study - Questionnaire method, Interview method and record analysis method.

Reference Books

1. **Das, Kailas Chandra and Patra, Partha Sarathy**. Information Literacy and Seeking Behaviour in Management Institution. SSDN Publishers, New Delhi, 2012.
2. **Devarajan.** User Studies. Allied Publishers, New Delhi, 1987.
3. **Ellis, David.** Modeling the Information Seeking Patterns of Academic Researchers: A grounded Theory approach. Library Quarterly. 63 (4),1993.pp469-486
4. **Kumar, PSG.** Use and User Studies. BR Publications, New Delhi, 2006
5. **Kumar, PSG.** Library and Users: Theory and Practice. BR Publications, New Delhi, 2004
6. **Prasad, H.N.** Information Needs and Users, B.R Publishing Corporation, New Delhi, 1991.
7. **Sridhar, MS**. Library Use and User Research. Concept Publishing Co., New Delhi
8. **Wilson, T.D.** On User studies and Information needs. Journal of Documentation. 62 (6),2006,pp 658-670

MODEL QUSESTION PAPER

M.PHIL DEGREE EXAMINATION

LIBRARY AND INFORMATION SCIENCE

PAPER-III: USER STUDIES

Time: 3 hours

Maximum marks: 75

Answer any FIVE questions

All questions carry equal marks

1. Define user study. Discuss the need and importance of user studies.
2. Discuss the models of User Studies.
3. What is bibliographic instruction? Prepare a bibliographic instruction programme for the undergraduate students.
4. What is evaluation? Discuss the various methods used in evaluation user education programmes.
5. Discuss the user orientation programme in ICT era.
6. Critically evaluate the important user studies conducted in India.
7. What is information seeking behavior? Explain the categories of users and the factors influencing their information seeking behavior.
8. Explain the different forms of information sources in an university library.
9. Write Short notes on any THREE of the followings:
   a) Questionnaire method
   b) Traveling Workshops Experiment
   c) Orientation Method
   d) Problems of user studies
   e) Tools of User education

PAPER III

16URLISE02 - BIBLIOMETRICS

Unit – I: Development of Bibliometrics

Bibliometrics –Concepts, Scope, Evaluation – Librametry, Bibliometrics, Scientometrics, Webometrics, Altmetrics,.

Unit – II: Biblometric Laws

Theory and Laws - Zipf's law, Lotka's Law, Bradford's Law, Price Theory and circulation theory – Bibliometric Tecgniques; Dubling time, Relative Growth, Mapping of subjects, Cluster ranking.

Unit – III: Assessment of Research Productivity

Identifying and defining literature – study of the structure of documents – Authorship studies; Authorship Pattern – Collaboration; Authors, Institutional and countries-Funding Agencies.

Unit – IV: Indexing and Citation Databases

Web of Science – Scopus - MEDLINE – G-Scholar – EBSCHO.

Unit – V: Citation

Meaning, Scope, Forms of Citations, Impact Factor, Citation analysis – H Index – Activity Index - g-index – Tools; Hiscite, VOS Viewer.

Reference Books

1. **Ashwini Tiwari**, Bibliometrics, Informetrics and Scientometrics: Opening New Vistas of Information Science, RBSA publishers, Jaipur, 2006.
2. **Devarajan.G**, Bibliometric Studies, Ess Ess Publications, 1997
3. **De Solla Price (Derek J)** . Little Science, Big Science, Columbia University Press, New york, 1963.
4. **Garfield Eugene**. Citation Indexing , John Wiley and Sons, New York , 1979
5. **Gayatri mahapatra**, Bibliometric studies, crest publishing House, New Delhi , 2000.
6. **Gayatri mahapatra**, Bibliometric studies in the Internet Era, Indiana publishing House, New Delhi , 2009..
7. **Jena, Kamal Lochan.** Modern Approach to Bibliometric Studies, SSDN Publishers, New Delhi, 2012.
8. **Panda, Bibhu Prasad,**. A Modern Bibliometric Study, SSDN Publishers, New Delhi, 2012.
9. **Nicholas, D and Ritchie, M..** Literature and Bibliometrics , Clive Bingley, London, 1978.
10. **Ravichandara Rao, I. K**. Qualitative Methods for Library and Information Science. New Delhi: Wiley Eastern, 1985.
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MODEL QUESTION PAPER

M.PHIL.DEGREE EXAMINATION

LIBRARY AND INFORMATION SCIENCE

PAPER-III: BIBLIOMETRICS

Time : 3 Hours

Maximum : 75 Marks

Answer any Five questions

All questions carry equal marks

1. State the origin and development of Bibliometric studies.
2. Explain different types of communication in the primary literature.
3. What is impact factor? How it will be helpful for ranking of Journals
4. What are the various testing techniques to measure the effectiveness of abstracting and indexing services?
5. Explain Bibliographic coupling.
6. Discuss in detail: Citation databases.
7. Discuss co-citation, self-citation and h-Index.
8. Discuss various bibliometric Laws.
9. Write short notes on any **THREE** of the followings:

    a) Doubling Time
    b) Librametrics
    c) Authorship Pattern
    d) Cluster-ranking technique
    e) Mapping of subjects

PAPER III

16URLISE03: DIGITAL LIBRARIES

UNIT – I: INTRODUCTION TO DIGITAL LIBRARIES

Digital Libraries: Definitions, Concept, Characteristics, functions, advantages and Disadvantages.

Unit – II: Digital Library Management

Management of Digital Library - Design and Organization of Digital Libraries: Architecture – Protocols – Metadata – Standards – CCF – MARC – 21 – Dublin Core.

Unit – III: Digital Library Collections

Digital Resources: E-Books, E-Journals, Databases and ETD – Subject Gateways; Web Portals – Storage, Archiving and preservation of digital collections – Limitations.

Unit – IV: Digital Library Initiatives

Overview of Major Digital Library Initiatives- Digital Library Initiatives in India; INSA, medIND, ETD, Vidhyanidhi, NPTEL, TKDL - Open Source Initiatives: – Open Access Initiatives, OAI / PMH.

Unit – V: Digitization of Documents

Building the digital library - Digitization – process and methods – Planning for Digitization - Institutional Repositories- Open Source Software for digital libraries: GSDL - D-Space – E-Prints - Supporting software - Server - Future of Digital Libraries.

References:

1. **Chowdhury, G.G.** Introduction to Digital Libraries. London: acet, 2003.
2. **Leona, C. Simon**, Shaw and Andrew Prescott. Towards the Digital Library. London: LA, 1998.
3. **Deegan, Merlyn and Tanner, Simon**. Digital Futures: Strategies or the Information Age. London: Facet, 2001.
4. **Gorman, G.E.** The Digital Factor in Information and Library Services. London: Facet, 2002.
5. **Lankes, R. D.** Implementing Digital Reference Services: Setting Standards and making it real. London: Facet, 2002.
6. **Lee, Stuart D**. Digital Imaging: A practical; Handbook. London: Facet, 2000.
7. International Conference on Digital Libraries. ICDL 2004. TERI, New Delhi. 2004.
8. **Upadhaya, J.L**. Information Retrieval and Digital Libraries New Delhi, Shree Publishers and Distributors, 2004
9. **Vijay Lakshmi and S.C.Jindal**. Digital Libraries V 1,V2, & V3 Delhi, Isha Books, 2004.
10. **Deegan.** Digital Preservation. London: Facet, 2006
11. **Pedley.** Digital Copyright. Ed2. London: Facet, 2005
12. **Rajaraman V** Fundamentals of Computers, PHI, 2014.

MODEL QUSESTION PAPER

M.PHIL DEGREE EXAMINATION

LIBRARY AND INFORMATION SCIENCE

PAPER III: DIGITAL LIBRARIES

Time: 3 hours Maximum: 75 marks

Answer any FIVE questions

All questions carry equal marks

1. Digital Library: Define and discuss in details of various characteristics of Digital libraries.
2. Discuss various searching techniques in digital resources?
3. What do you understand digital data formats? Describe the different types of formats.
4. What is metadata? Describe various types.
5. Define the Institutional Repositories and its attributes.
6. What do you understand by digitization of the Library materials: Discuss in detailed.
7. What is Server? Describe various types of server
8. Discuss the major digital library initiatives in India?
9. Write Short Notes on any THREE of the followings:

a) GSDL	b) Dublincore
c) Dspace	d) ETD
e) OAI/PMH	

PAPER III

16URLISE04: MARKETING OF LIS PRODUCTS AND SERVICES

Unit-I

Marketing of Information; Definition, Purpose- Information marketing – National and Global Scenerio.

Unit-II

User needs – Economics of Information – Pricing Theory; Factors influencing prices, 7Ps, 7Cs in marketing – Branding –Promotion.

Unit-III

Marketing of Library Products; Literature search, Current Awareness Service, Article Alert Service, Upcoming Conferences / Seminars / Workshops, Selective Dissemination of Information, Photocopy, Reference Service, Circulation of periodical contents, Abstracting and Indexing Services, Translation Service, Inter Library Loan, Patent Information, Web based Database access etc.,

Unit-IV

Marketing Research – Recent trends in marketing – Marketing Information System- Online marketing Research – Service Marketing.

Unit -V

Information and Publishing Industries – National and International – Electronic Content Management - Evaluation of User Satisfaction.

References:

1. **Dinesh K. Gupta, Christie Koontz, Angels Massisimo, & Réjean Savard (Eds.),** Marketing library and information services: International perspectives, Munich: K.G. Saur, 2006.
2. **Dinesh K. Gupta, Christie Koontz & Àngels Massísimo (Eds.),** Marketing Library and Information Services II A Global Outlook, Berlin/Munich: De Gruyter Saur, 2013.
3. **James L. Mullins (ed.),** Library Management and Marketing in a Multicultural World, Munich: K.G. Saur, 2007.
4. **Sueli Mara Soares Pinto Ferreira & Réjean Savard (Eds.),** The Virtual Customer: a new paradigm for improving customer relations in libraries and information services, Munich: K.G. Saur, 2006.
5. **Lovelock,** Services Marketing (English) 7th Edition (People, Technology, Strategy)**,** Pearson India.
6. **Dinesh Gupta**, A New Paradigm of Library and Information Services Marketing, Chandos Publishing.
7. **R. SRINIVASAN**, SERVICES MARKETING: THE INDIAN CONTEXT, PHI.
8. **UNESCO,** Introduction to Policies on Marketing Library and Information Services.
9. **Abhijit Lahiri,** Information Market Scenario in India, **http://www.dsir.gov.in/pubs/itt/itt9601/infomkt.htm**
10. **Ajay Kumar Sharma,** Marketing and Promotion of Library Services **http://crl.du.ac.in/ical09/papers/index_files/ical-79_73_172_2_RV.pdf**
11. **Dinesh K. Gupta,** Marketing Library and Information Services. **http://mapageweb.umontreal.ca/savardr/pdf/Gupta_Savard_ELISbis.pdf**

Web Resources

www.aslib.co.uk

www.ala.org

www.infotoday.com/ mls

www.chrisolson.com/marketingtreasures

www.ifla.org/vii/s34/somm

MODEL QUSESTION PAPER
M.PHIL DEGREE EXAMINATION
LIBRARY AND INFORMATION SCIENCE

PAPER III: Library Management and Marketing Library Resources

Time: 3 hours maximum: 75 marks

Answer any FIVE questions

All questions carry equal marks

1. Describe the characteristics of services in library
2. Describe Marketing research. Explain the steps involve in marketing research?
3. Explain factors influencing pricing in LIS products.
4. Explain methods of sample survey.
5. Explain Marketing Information Systems.
6. How to measure Customer satisfaction?
7. Explain Advertising and various types of advertisement.
8. Briefly discuss about National and International databases.
9. Write Short Notes on any THREE of the following:
    - i) 7Ps in Marketing
    - ii) Literature search service
    - iii) Name the Abstracting and Indexing agencies
    - iv) Define Information, Sources of Information
    - v) What Library Professionals should do for Marketing of library and Information Services?