M.Lib.I.Sc.

Master of Library and Information Science

**PROGRAMME STRUCTURE AND SYLLABUS
2019-20 ADMISSION ONWARDS**

(UNDER MAHATMA GANDHI UNIVERSITY PGCSS REGULATION 2019)

EXPERT COMMITTEE IN

LIBRARY AND INFORMATION SCIENCE

MAHATMA GANDHI UNIVERSITY

2019

EXPERT COMMITTEE MEMBERS IN LIBRARY AND INFORMATION SCIENCE

Chairperson

Prof. (Dr.) A.Gopikuttan

Members

1.   Smt. Anat Suman Jose

2.   Fr.Tinju Tom

3.   Smt. Neethu Mohan

4.   Dr. Skaini Gopinath

5.   Gilu G Ettaniyil

Table of Content

M.Lib.I.Sc. Degree Program

(Mahatma Gandhi University Regulations PGCSS2019 from 2019-20 Academic year)

1. Aim of the program
   The M.Lib.I.Sc. program is designed with the following aims.
   1. To train the students to identify, select and provide access to information in a variety of formats;
   2. To enable the students to identify the needs of particular user groups and develop collections, services, programmes and policies to meet these needs;
   3. To develop the students to apply a wide range of electronic resources, and techniques for effective information retrieval;
   4. To equip the students to apply appropriate research methodologies to issues and professional concerns in LIS;
   5. To develop in the students a commitment to professional values, standards and ethics.

2. Eligibility for admission: The minimum requirement for admission is 50% marks in BLISc. degree of M G University or an equivalent degree of any other university recognized by M G University.

3. Medium of instruction and assessment
   The medium of instruction and examination shall be in English for the entire program. Hundred marks for each paper, out of which 25 marks for internal evaluation and 75 marks for external evaluation.

4. Faculty under which the degree is awarded: Social Science

5. Specialization offered, if any   :Nil

6. Note on compliance with the UGC Minimum Standards for the conduct and award of Post Graduate degrees:
   Since the UGC has changed the name of degree/PG in Library Science as M.Lib.I.Sc. instead of MLISc., that change is also incorporated.

7. PROGRAM STRUCTURE

Course code	Title of the course	Type of the Course	Hours per week	Credits

<div align="center">FIRST SEMESTER</div>

Course Code	Title of the Course	Type of the course	Hours per week	Credits
First Semester				
LS010101	Information, Knowledge and Communication	Core	4	4
LS010102	Information Processing and Retrieval (Theory)	Core	4	4
LS010103	Research Methodology	Core	4	4
LS010104	Information Systems and Products	Core	4	4
LS0101E	Elective	Elective	3	3
Second Semester				
LS010201	Information Technology Applications in LIS (Theory)	core	4	4
LS010202	Information Technology Applications in LIS (Practical)	core	5	5
LS010203	Planning and Management of Library and Information Centres	core	4	4
LS010204	Dissertation and Viva Voce	core	5	5
LS0102E	Elective	elective	3	3
	Total			40

Electives

Course No.	Course Title	Types of the course	Hours per week	credits
LS0101E01	Information Processing and Retrieval (Practical)	Elective	3	3
LS0101E02	Statistical Methods	Elective	3	3
LS0101E03	Digital Libraries	Elective	3	3
LS0102E01	Technical Communication	Elective	3	3
LS0102E02	Knowledge Management	Elective	3	3
LS0102E03	Competency Development	Elective	3	3

First Semester Courses

LS010101	Name of the course	1	Information, Knowledge and Communication
LS010102	Name of the Course	2	Information Processing and Retrieval (Theory)
LS010103	Name of the Course	3	Research Methodology
LS010104	Name of the Course	4	Information Systems and Products
LS0101E	Name of the Course	5	Elective

LS01O101 – INFORMATION, KNOWLEDGE AND OMMUNICATION

Total Credits: 4
Total hours:64
Weightage:
1. Objective of the course: To know the concepts of Information Science and its relation with our society

2. **UNIT 1 Information and Communication**
   Information: Characteristics, nature, value and uses
   Conceptual difference between data, information and knowledge
   Communication: Channels – formal and informal
   Communication models; Communication barriers
   Trends in scientific communication.

3. **UNIT 2 Information Science**
   Genesis and development; definitions and scope
   Information Science as a discipline and its relationship with other subjects
   Bibliometrics, Informetrics, Webometrics, Scientometrics, Altmetrics
   Bibliometric laws and models

4. **UNIT3 Library, Information and Society**
   Information Society: genesis and characteristics;
   Intellectual Property Rights: IPR Legislations in India
   Fair use provision in Copyright; Censorship, data security
   Right to Information Act, Information Technology Act
   National policy of information
   Open access movement.

5. **UNIT4 Economics of Information**
   Information industry
   Cost analysis: Cost Effectiveness Analysis; Cost Benefit Analysis
   Information audit; Marketing of information services and products
   Knowledge management: Types of Knowledge; Relation with Information
   management; Knowledge management procedures.
   Role of library professionals in knowledge management

6. **UNIT 5 Sociology of Information**
   User studies and user behavior, Methods of data collection
   Patterns of user behavior, Information behavior models

Reading list

1. Andal, N. Communication theories and models. Mumbai: Himalaya Publishing House, 2005.

2. Bawden, David and Robinson, Lyn. Introduction to Information Science. London: Facet Publishing, 2012.

3. Case, Donald O. Looking for information: a survey of research on information seeking, needs and behaviour. 2nd ed. Amsterdam: Academic Press, 2007.

4. Feather, John. The information society: a study of continuity and change. 5th ed. London: Facet Publishing, 2008.

5. McGarry, K. J. Changing context of information: an introductory analysis. 2nd ed. London: Library Association, 1993.

6. McGarry, K. J. Communication, knowledge and librarian. London: Clive Bingley, 1975..

7. McQuail, Denis and Windahl, Sven. Communication models for the study of mass communications. London: Longman, 1981.

8. Meadows, A. J., ed. Knowledge and communication: essays on the information chain. London: Library Association, 1991.

9. Norton, Melanie J. Introductory concepts in Information Science. New Jersey: Information Today, 2008.

10. Vickery, Brian C. and Vickery, Alina. Information Science in theory and practice. 3rd ed. Munchen: K. G. Saur, 2004.

SL 0101O2 INFORMATION PROCESSING AND RETRIEVAL (THEORY)

Total Credits : 4
Total hours:64
Weightage:

1.   Objective of the course: To familiar with different classification schemes, bibliographic record formats and information retrieval systems

2. UNIT 1   Organization of Knowledge in Classification Schemes

Organization of subjects in CC, DDC and UDC

Comparative study of CC, DDC and UDC

Classification in Digital age

3. UNIT 2   Bibliographic Record Formats

ISO 2709, Z39.50, MARC, MARC 21, UNIMARC, CCF, ISBD

Metadata Formats - FRBR, Dublin Core

4. UNIT 3   Subject Indexing

Pre-coordinate indexing systems - PRECIS, POPSI

Post-Coordinate indexing - Thesaurus, Uniterm indexing, Keyword Indexing, Citation Indexing, Automatic Indexing

5.   UNIT 4 Information Retrieval Systems

Information Retrieval Systems - Purpose, Functions and Components

IR Models: Boolean, Probabilistic and Vector Processing Models; Bayesian network model; Structured Text Retrieval Models.

Evaluation of Information Retrieval Systems - ASLIB Cranfield study, MEDLARS study, TREC

6.   UNIT 5   Natural Language Processing

Application of NLP in information Retrieval Systems

Reading list

1. Baeza –Yates, Ricardo. Modern information retrieval. Delhi: Pearson Education, 1999.

2. Choudhury, G. G. and Choudhury, Sudatta. Organizing information from the shelf to the web. London: Facet Publishing, 2007.

3. Choudhury, G. G. Introduction to modern information retrieval. 3rd ed. London: Facet Publishing, 2010.

4. Date, C.J. An Introduction to database systems. Reading, MA: Addison-Wesley, 2000

6. Korfhage, Robert R. 1997. Information storage and retrieval. New York: Wiley, 1997.

7. Kumar, P S G. Knowledge organization, Information processing and retrieval theory. B. R. Publishing Corporation, 2003.

8. Kumar, P S G. Knowledge organization, Information processing and retrieval practice. B. R. Publishing Corporation, 2003.

9. Neelameghan, A. Online database searching and retrieval: Strategies, procedures, commands and problems – A brief guide. Bangalore: SRELS, 1995.

10. Sharma, C. K. and Sharma, A. K. Information process and retrieval. Atlantic Publishers, 2007.

LS 010103 RESEARCH METHODOLOGY

Total Credits : 4
Total hours:64
Weightage:
1. Objective of the course: To equip the students to apply appropriate research methodologies to issues and professional concerns in LIS

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UNIT 1 Research

    Concept, meaning and need of research

    Research process

    Types of research-fundamental, applied including Inter-disciplinary and multi-disciplinary approach; Ethical aspects of research

UNIT 2 Research Design

    Types of research design

    Identification and formulation of research problem

    Hypothesis: formulation and testing

    Literature search: print, non-print and electronic sources

    Review of related literature

UNIT 3 Research Methods

    Scientific method

    Historical method

    Descriptive method

    Survey method

    Case study method

    Experimental method

    Delphi method; Brainstorming method

UNIT 4 Research Techniques and Tools

    Questionnaire

    Interview

    Observation

    Scales and scaling techniques

    Online research tools

    Sample and sampling techniques

UNIT 5 Data Analysis, Interpretation and Report Writing

    Processing data: editing, coding and analyzing data

    Descriptive and inferential data analysis

    Presentation of data- tables and graphs

    Techniques of data analysis: SPSS

    Structure, style and contents of research report: Style manuals-MLA and APA

    E-citation and reference management tools – Zotero and EndNote

    How to avoid plagiarism- Best practices and methods

    Current trends in Library and Information Science research in India

Reading list

1. Alvesson, M. and Skoldberg, K. Reflexive methodology: new vistas in qualitative research. Ed. 2. London: Sage Publication, 2009.

2. Busha, Charles T.and Harter, Stephen. P. Research methods in librarianship. New York: Academic Press, 1980.

3. Greenfield, T. Research methods: guidance for postgraduates. London: Hodder Arnold, 1996.

4. Kothari, C. R. Research methodology. New Delhi: New Age International, 2011.

5. Krishan Kumar. Research methods in Library and Information Science. Rev. Ed. 1999. New Delhi: Har-Anand Publications, 1999.

6. Kumar, P S G. Research methods and statistical techniques. New Delhi: B. R. Publications, 2004.

7. Lancaster, F. W. and Powell, R. R. Basic research methods for librarians. New Jersey: Ablex Publishing, 1995.

8. Martyn, John and Lancaster, F. Wilfrid. Investigative methods in library and Information Science: an introduction. Arlington, Virginia: Information Resources Press, 1981.

9. Powell, R. R. and Silipigni, C. L. Basic research methods for librarians. Ed. 4. Westport: Libraries Unlimited, 2004.

10. Slater, M., ed. Research methods in Library and Information Studies. London: Library Association Publishing, 1990.

LS 0101O4 -INFORMATION SYSTEMS AND PRODUCTS (4 credits)

Total Credits : 4
Total hours:
Weightage:

1.   Objective of the course: To create understanding among students about the existing of different information systems at National and International levels and their functions

UNIT 1 Libraries and Information Agencies

History and development

Libraries, Documentation centres and Information centres

Data banks and Archives, Information analysis centres, Referral centre

Clearing houses, Translation centres and Reprographic centres

UNIT 2 Information System

Definition, Characteristics and Properties of a system

Concept, Types, Characteristics and Components of Information System

Planning and designing of information system

Role of information system in technology transfer and national development

UNIT 3 Global Information Systems

BIOSIS, AGRIS, INIS, INSPEC, MEDLINE, OCLC, JANET, PubMed, IEE electronic library, ACM Digital library, EBSCO, PROQUEST, Elsevier, Ingenta, J-Gate, portals, wikis

UNIT 4 Documentation and Information Centres and Systems in India

NISCAIR, NASSDOC, DESIDOC, SENDOC, INFLIBNET, DELNET, NICNET, UGC-INFONET, E- Shodhsindhu

UNIT 5 Information Products and Services

Concept, Definition and types

Reference Service

CAS, SDI, Document Delivery, Translation and Reprographic Services

Information analysis and consolidation - Reports, Reviews, House journals, bibliographies, indexes, abstracts, etc.

Reading list

1. Bopp, Richard E. and Smith, Linda C. Reference and information services: An introduction, 4th ed. Libraries Unlimited, 2011.

2. Cassell,, Kay Ann and Uma Hiremath. Reference and Information Services: An introduction, 3rd ed, Chicago: ALA, 2013.

3. Gurdev Singh. Information Sources, Services and Systems. New Delhi: PHI Learning, 2013.

4. Hurt, C.D. Information Sources in Science and Technology. 3rd ed. Westport Conn.: Libraries Unlimited, 1998

5. Katz, William A. Reference and information services: A reader for the nineties. London: Scarecrow Press, 1986.

6. Krishan Kumar. Reference Service, 5th ed. New Delhi: Vikas Publishing House, 2004.

7. Rastogi, K.G. Reference services in Library Science. New Delhi: Alfa Publications, 2006.

8. Stebbins, Leslie F. Student guide to research in the digital age: how to locate and evaluate information sources. Santa Barbara: Libraries Unlimited, 2005.

9. Valecich, J. Information systems today: Managing the digital world. New Delhi: PHI, 2009.

Second Semester

LS 010201 INFORMATION TECHNOLOGY APPLICATIONS IN LIS (THEORY)

Total Credits : 4
Total hours:64
Weightage:

1.   Objective of the course: To understand the developments in Information technology and its possibilities in libraries and information centres.

2.   **UNIT 1 Library Automation**
         Need for library automation
         Planning and implementation
         Areas of library automation
         Automation of library housekeeping operations
         Integrated library management systems: KOHA, SOUL, e-Granthalaya
         Criteria for evaluation of library management systems

3.   **UNIT 2 Digital Libraries**

Digital library - Definition, scope and characteristics
Digital library initiatives - Major initiatives in the world and in India
Digital library technologies-Digital representation and compression
Identification of, accessing, processing, storage, delivery and use of digital
resources
Digital library creation - prerequisites; content development; metadata
development; and search options
Open source digital library software - GSDL

4.   **UNIT3 Institutional Repositories**

Institutional repositories-concepts and characteristics
Design and architecture of institutional repositories
Contents and standards of institutional repositories
Institutional repository software – DSpace. EPrints, Fedora

5.   **UNIT 4 Internet in Libraries**

Application of the Internet in libraries
Web based resources and services
Library 2.0/3.0
Library websites / portals-design and development
Library networks, library consortia, WebOPAC

6.   **UNIT 5 Modern Technologies in Libraries**

RFID-characteristics, features, components and functioning
Cloud Computing Applications
Artificial Intelligence; Robotics
Augmented Reality
Internet of Things

Reading list

1. Arthur, Lowell Jay and Burns, Ted. Unix Shell Programming. New Delhi: Galgotia,
   1995.

2. Date, C. and Darwen, H. A Guide to the SQL Standard. 3rd ed. Reading, MA: Addison-
   Wesley, 1994.

3. Date, C.J. An Introduction to Database Systems. 7th ed. Boston, MA, USA: Addison-Wesley Longman, 2000.

4. Elmasri, Ramez and Navathe, Shamakant B. Fundamentals of Database Systems. 5th ed. Boston: Pearson/Addison Wesley, 2007.

5. Matthew, Neil et al. Professional Linux Programming. Mumbai: SPD, 2001.

6. Rowley, Jennifer. The electronic library. London: Library Association Publishing, 1998.

7. Michael, Randal K. Mastering UNIX Shell Scripting. Canada: Robert Ispen, 2003.

8. Peterson, Richard. Linux: the Complete Reference. New York: McGraw-Hill, 2006

9. Ravichandra Rao. Library automation. New Delhi: Wiley Eastern, 1990.

10. Williams, Brian K. and Sawyer, Stacey C. Using information technology: A practical introduction to computers & communications, 11th ed. McGraw-Hill, 2014.

LS 010202 INFORMATION TECHNOLOGY APPLICATIONS IN LIS (Practical)

Total Credits : 5
Total hours:80
Weightage:
1.   Objective of the course: To equip the students to handle IT related tools,techniques and softwares to manage libraries in order to provide better services to the users of libraries.

2. **Unit 1** Library automation packages – KOHA

3. **Unit 2** Digital library/Institutional Repository software – Greenstone/DSpace

4. **Unit3**Library website / portal design

5. **Unit 4** Creation of Metadata – Dublin Core

6. **Unit 5**Reference management software –Zotero

LS 0102O3 - PLANNING AND MANAGEMENT OF LIBRARY AND INFORMATION CENTRES

Total Credits : 4

Total hours:64

Weightage:

1.   Objective of the course: To train the students to plan ,develop and manage libraries and information centres based on scientific principles

UNIT1 Schools of Management Thought

Classical, Neo-classical and Modern management theories;
Principles of scientific management; Fayol's principles; Functions of management.

UNIT 2 System Analysis and Design

Systems Theory; Open and Closed Systems;
Project management Techniques – PERT/ CPM, decision tables; data flow diagram.

UNIT 3 Human Resource Management

Organizational structure
Job analysis and description; recruitment, selection and induction; training; performance appraisal
Motivation, Group dynamics, Stress management

UNIT 4 Marketing Management

Marketing of information services and products.

UNIT 5 Other Realms of Management

Quality Management: TQM, Quality audit; SERVQUAL, LibQual, ISO 9000 series of Standards
Crisis Management
Change Management
Space Management.

Reading list

1. Bryson, Jo. Effective library and information centre management. Hampshire, U. K.: Gower, 1990.

2. Bryson, Jo. Managing information services: A transformational approach. 2nd ed. Aldershot, UK: Ashgate Publishing, 2006.

3. Corrall, Sheila and Brewerton, Antony. The new professional's handbook: Your guide to information services management. London: Library Association, 1999.

4. Evans, G. Edward G. Management techniques for librarians. 2nded. New York: Academic Press, 1983.

5. Evans, G. Edward and Alire, Camila A. Management basics for information professionals. 3rded. London: Facet, 2013.

6. Khanna, J. K. Handbook of library administration. New Delhi: Crest Publishing House, 2001.

7. Mittal, R. L. Library administration: Theory and Practice. 5thed. New Delhi: EssEss Publications, 2007.

8. Seetharama S. Guidelines for planning and management of libraries and information centres. Calcutta: IASLIC, 1990.

9. Stueart, Robert D. and Moran, Barbara B. Library and Information Centre Management. Colorado: Libraries Unlimited, 2004.

10. Walters, Suzanne. Library Marketing That Works! New York: Neal-Schuman, 2004.

LS 0102O4 DISSERTATION AND VIVA VOCE (5 credits)

Students have to carry out research on a topic approved by the Departmental, under the guidance of a faculty member and prepare a dissertation. Appropriate size of the dissertation shall be 100 typed pages in A4 size paper. The students should also appear for a viva-voce.

Electives

LS0101E1 INFORMATION PROCESSING AND RETRIEVAL (PRACTICAL) (3 credits)

UNIT 1 Classification of Complex Subjects

Classification of Simple, Compound and Complex subjects according to UDC (Abridged edition 1961) and fascicules

UNIT 2 Cataloguing of Complex Titles

Preparation of bibliographic description of nonbook materials, periodical publications and E-resources as per AACR2R

Coding of data elements in bibliographic description using MARC21 format

Records of Term Work:

1. Sample Dictionary Catalogue of not less than 25 documents prepared in the card form.
2. MARC coded sheets for not less than 25 documents and their database
3. Metadata of 25 items prepared in Dublin Core

LS0101E2 STATISTICAL METHODS (3credits)

UNIT I Introduction to Statistics

Origin and meaning of Statistics- General uses, relation with other disciplines, limitations and minuses of Statistics.

Measures of central tendency- arithmetic mean, weighted arithmetic mean, median, mode, geometric mean, Harmonic mean.

Measures of dispersion - Definition and characteristics of good dispersion. Range, Quartile deviation, mean deviation, standard deviation and variance, percentiles, deciles. Relative measure of dispersion- coefficient of variation. Definition of measures of skewness and measures of kurtosis.

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UNIT 2 Correlation and Regression

Correlation: Karl Pearson's coefficient of correlation and its properties. Scatter diagram. Concept of rank correlation, spearman's rank correlation coefficient, repeated ranks. Simple regression, regression equation, properties and uses.

UNIT 3 Probability and Probability Distribution

Random experiment- sample space, events, types of events, classical and frequency approaches to probability, Addition theorem for two events, independence of events, conditional probability, multiplication theorem.

Random variable: Discrete and continuous random variables. Binomial, Poisson and Normal distributions (Concept and definition only), mean and variance (without derivation)

UNIT 4 Testing of Hypothesis

Hypothesis testing: Types of hypotheses; testing of hypotheses: significance level, one tailed test, two tailed tests, Type I error and Type II error, Power of a test, Z test, t test, Chi square test for variance, F test, Chi square test for independence of attributes. ANOVA (One way only).

(Note: This paper discusses the theoretical concepts in statistics applicable to Library and Information Science. Therefore, only simple problems may be discussed).

LS0101E3 DIGITAL LIBRARIES (3 credits)

UNIT1 Digital Libraries

Digital library - Definition, scope and characteristics
Digital library initiatives - Major initiatives in the world and in India
Design and organization of digital libraries - Architecture, Interoperability, Compatibility
User interfaces, protocols and standards

UNIT2 Digital Library Technologies

Digital representation and compression
Publication and file formats
Scanning, OCRing, editing and publishing
Network platforms, server management

UNIT3 Digital Resources Management

Digital collection - nature and scope
Scholarly communication - formats - Multimedia and Internet-related formats
Identification of, accessing, processing, storage, delivery and use of digital resources
Digital library user - assessment of user behaviour and needs

UNIT4 Digital Library-Creation and Use

Digital library creation - prerequisites; content development; metadata development; and search options
Open source software – GSDL
Digital preservation and conservation - archiving
Digital information - Intellectual property issues; rights management

LS0102E1 – TECHNICAL COMMUNICATION (3 credits)

UNIT 1 Communication Process

Types: Verbal, Non-verbal, Formal, Informal;
Types of writing;
Technical writing: Principles, characteristics;
Language as a medium for communication, readability; Audience Research

UNIT 2Organization, Lay out and Presentation of Information

Preparation of:
Learned papers

Popular articles
Technical reports
Project proposals
Book design and page layout.

UNIT3Repackaging and Consolidation

Preparation of:
Trend reports
Reviews
State-of- the art report
Digests
Abstracts – Types, Preparation, Guidelines

UNIT4Mechanics of Writing and Presentation

Common problems in spelling, grammar, usage and punctuation
Use of Style manuals – Chicago, APA and MLA; Reference Management Software
Copy editing and proof reading.
Oral Presentation Skills; Tips for effective visual aids

LS0102E2 KNOWLEDGE MANAGEMENT (3 credits)

UNIT 1 Knowledge Management Basics

KM-Concepts and definition
Need for knowledge management
Types of knowledge; KM systems
Knowledge creation and knowledge architecture – Nonaka's model.

UNIT 2 Knowledge Capture, Codification and Transfer

Capturing tacit knowledge – methods
Knowledge codification – tools and procedures
Knowledge testing; Knowledge transfer

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UNIT3 Knowledge Base

Knowledge mapping
Decision trees, decision tables, frames
Knowledge works

UNIT 4 Knowledge Management System Tools and Portals

Data visualization
Tools and techniques of knowledge management
Neural networks, data mining; managing knowledge workers
Knowledge management in Library and Information Centres

LS0102E3 COMPETENCY DEVELOPMENT (3 Credits)

UNIT1 Professional and Personal Competencies

Professional and personal competencies
Soft skills and hard skills
Categories of soft skills - Corporate skills, employability skills and life skills

UNIT2 Communication Skills

Types of communication – verbal and non-verbal
Types of oral communication; Structure of an oral presentation; Body language;
Use of visual aids
Listening skills; Types of listening -- Passive Listening, Active Listening, Reflective
Listening

UNIT3 Stress Management

Understanding stress; Types of stress
Symptoms of work stress
Causes of harmful work stress
Personality and stress
Stress management techniques

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UNIT4 Other Management Skills

Time management: Delegation and time management
Barriers to time management
Identifying and handling time consuming tasks, Procrastination
Techniques of time management
Negotiation skills: Types of negotiation
Stages of negotiation; Skills of negotiation

MODEL QUESTION PAPER

M.Lib.1.Sc. Degree Examination May 2018
First Semester
LS010101 INFORMATION, KNOWLEDGE AND COMMUNICATION
(2019 admission onwards)

Time : Three Hours   Maximum : 75 marks

I.   Explain any four of the following in not exceeding one page.
1. Knowledge Society
2. Informatics
3. Fair use
4. Date security
5. Cost-benefit analysis
6. Tacit knowledge
7. Information industry

II. Write short essays on any four of the following, in not exceeding three pages.
1. Explain non-verbal communications.
2. Describe the barriers of communication
3. Discuss the trends in scientific communication.
4. Examine the salient features of National policy of information.
5. Discuss the major activities involved in the open access movement.
6. Discuss the relevance of Right to Information Act in the present day context.
7. Describe the details of the major conventions to formulate Intellectual Property Right (IPR)

III. Write essays on any two of the following questions.
1. Explain various methods of data collection suitable to library and information science discipline.
2. What in meant by Bibliometrics? Explain the major bibliometrics models in detail.
3. What iscopyright ? Copy Explain the salient features of Indian Copy Right Act.
4. What do you mean by user studies? Explain the major methods for user studies in college libraries.

MODEL QUESTION PAPER

I.   **Explain any four of the following in not exceeding one page.**
1. ISO-2709
2. Meta data
3. Access point
4. Semantic web Technology
5. FRBR
6. Dublin core
7. MARC

II.   **Write short essays on any four of the following in not exceeding three pages.**
1. Explain the concept of POPSI
2. Explain the major difference between pre-cordinate indexing systems and post coordinate indexing system with example.
3. Describe the information retrial models.
4. Explain the procedure of cranfield study.
5. Write a short essay on citation indexing.

III.   **Write essays on any two of the following questions.**
1. Explain the organization of knowledge in DDC and CC.
2. Explain the bibliographic record format CCF.
3. Discuss how we can use the library classification schemes in the organization of digital documents in libraries
4. Discuss the various characteristics of the universe of knowledge in the context of knowledge organization in libraries.

MODEL QUESTION PAPER

M.Lib.1.Sc. Degree Examination May 2018
First Semester
LS010103 RESEARCH METHODOLOGY
(2019 admissions onwards)

Time : Three Hours   Maximum : 75 marks

I.   Explain any four of the following in not exceeding one page.
1. Research process
2. Survey
3. Fundamental research
4. Interview
5. Observation
6. Delphi methods
7. Inter disciplinary research

II.   Write short essays on any four of the following in not exceeding three pages.
1. Discuss the ethical aspects in research
2. Explain the concepts of research design
3. Describe the importance of hypothesis in social science research.
4. Explain the features of APA style.
5. What is research evaluation? Describe the methods of research evaluation.
6. Explain the difference between Zotero and End Note.
7. What do you mean by plagiarism ? Explain how to avoid plagiarism.

III. Write essays on any two of the following questions.
1. Discuss the merits of interview method of data collection.
2. Explain the present trend in library Science research
3. What is sampling ? Describe the methods of sampling.
4. Explain the steps in the preparation of a research report.

MODEL QUESTION PAPER

Time : Three Hours   Maximum : 75 marks

I.   Explain any four of the following in not exceeding one page.
1. Documentation centres
2. Clearing houses
3. Referral centers
4. Pub med
5. Wikis
6. UGC-INFONET
7. House Journals.

II.   Write short essays on any four of the following not exceeding three pages.

1. Explain the role of an information system
2. Discuss the major functions of AGRIS
3. Explain different types of bibliographies and their functions
4. Explain the procedure of an SDI service in a University Library.
5. What are the major services of MEDLINE.
6. Explain the concept of reference service.
7. What do you mean by information consolidation. Describe the concept of digest service.

III. Answer any two of the following questions in about 1000 words each.

1. Examine the development of documentation and information centres in science during the last three decades in India.
2. What are the areas to be considered while planning and designing information systems?
3. Explain the activities of NICAIR and state how far it is helpful to the development of Science and Technology in India.
4. What do you mean by current Awareness Services? Explain the methods used for CAS is modern libraries.

MODEL QUESTION PAPER

I.   Explain any four of the following in not exceeding one page.
1. House keeping operations
2. Features of soul
3. Metadata
4. D Space
5. E Prints
6. Data ware houses
7. DSDL

II.   Write short essays on any four of the following, not exceeding three pages.

1. What are the areas amenable to library automation?
2. Explain integrated library Management System.
3. Discuss the characteristics of digital library
4. Describe the features of library consortia.
5. Explain the activities of INFLIBNET.
6. What are the possibilities of Web OPAC.
7. Explain the characteristics of Institutional Repositories.

III. Answer any two of the following questions in about 1000 words each.

1. What is library automation? Explain the pre requisites of library automation.
2. Describe the network based information services of a University library.
3. What do you mean by Library 2.0? Explain the activities applicable to library and information centres.
4. Explain briefly the characteristics and features of RFID.

MODEL QUESTION PAPER

M.Lib.1.Sc. Degree Examination May 2018
First Semester
LS010203 PLANNING AND MANAGEMENT OF LIBRARY
AND INFORMATION CENTRES.
(2019 admission onwards)

Time : Three Hours   Maximum : 75 marks

I.   Explain any four of the following in not exceeding one page.
1. Functions of Management
2. PERT
3. Data flow diagram
4. Job analysis
5. POSDCORB
6. TQM
7. SERVQUAL

II.   Write short essays on any four of the following, not exceeding three pages.
1. Crisis Management
2. Space Management
3. Fayol's principle
4. Organizational structure of University Library
5. Stress Management
6. Motivation
7. Performance appraisal

III. Answer any two of the following questions in about 1000 words each.
1. Write an essay on Modern management Theory.
2. Discuss the possibilities of marketing of products and services in modern libraries.
3. Discuss the problems of implementing TQM in University Libraries.
4. What do you mean by change Management? Explain the essential facilities needed in a library to make use of modern developments.