

UNIVERSITY OF JAMMU

Baba Sahib Ambedkar Road, Jammu-180006 (J&K)

No. F.Acd./II/19/13583-90

Dated: 26-2-2019

NOTIFICATION (19/Feb./Adp/84)

It is hereby notified for the information of all concerned that the Vice-Chancellor, in anticipation of the approval of the Academic Council, is pleased to authorize the adoption of the revised Syllabi and Courses of Study in the subject of **B. Lib. and M. Lib** under the **Non Choice Based Credit System (through regular mode) at Post Graduate Level** in the main campus for the examinations to be held in the years as per the details given below: -

Subject	Semester	for the examination to be held in the years	% of Change
B.Lib.I.Sc	I	December 2019, 2020 and 2021	100%
	II	May 2020, 2021 and 2022	
M.Lib.I.Sc	I	December 2019, 2020 and 2021	100%
	II	May 2020, 2021 and 2022	

The Syllabi of the courses is available on the University website: www.jammuuniversity.in

Sd/-
DEAN ACADEMIC AFFAIRS

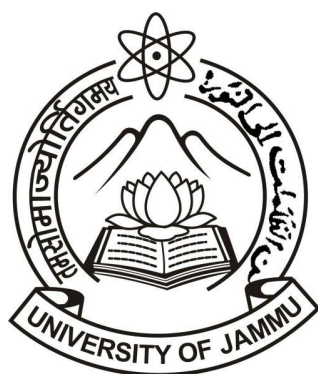
Copy for information and necessary action to:

1. Dean, Faculty of Social Sciences.
2. HOD/Convener, Board of Studies in Library and Information Science.
3. C.A to the Controller of Examinations.
4. I/c Director, Computer Centre, University of Jammu.
5. Asstt. Registrar (Conf. /Exams. PG/Pub.)
6. Incharge, University Website for necessary action please.


Assistant Registrar (Academic)


25/02/2019

**Syllabus Outline for Examination to be held in
December 2019, 2020 & 2021
& May 2020, 2021 & 2022
Master of Library and Information Science
(M.Lib.I.Sc.)
First & Second Semester
(Non Choice Based Credit System)**



**Post Graduate Department of
Library and Information Science
University of Jammu**

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

Jammu

Annexure-V & VI

M.Lib.I.Sc. Programme

The following courses of study are prescribed in the First and Second Semester of the M.Lib.I.Sc. Programme for the session- December 2019, 2020, and 2021 & May 2020, 2021, and 2022.

First Semester Courses

Course Code	Title of the Course	Max. Marks/ Credits
LIS 201	Knowledge Organization (Theory)	100/ 6
LIS 202	Research Methodology and Statistical Techniques	100/ 6
LIS 203	Library Operations	100/ 6
LIS 204	Information and Communication Technology Applications in Libraries (Theory)	100/ 6

Total Marks/Credits: 400/ 24

Second Semester Courses

Course Code	Title of the Course	Max. Marks/ Credits
LIS 205	Information and Communication Technology Applications in Libraries (Practice)	100/ 6
LIS 206	(A) Knowledge Organization: Advanced Classification Practice	50/ 3
	(B) Knowledge Organization: Advanced Cataloguing Practice	50/ 3
LIS 207	Information Literacy	100/ 6
LIS 208	Elective: (A) Dissertation Or (B) Information Sources and Products in Science and Technology Or (C) Information Sources and Products in Agricultural Sciences Or	100/ 6

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

	(D) Information Sources and Products in Social Science	
LIS 209	Library Internship	Annexure-V

Total Marks/Credits: 450/ 27

M.Lib.I.Sc Programme

The following courses of the study are prescribed in the first semester for the session- December 2019, 2020, and 2021.

First Semester Courses

Course Code	Title of the Course	Maximum Marks/ Credits
LIS 201	Knowledge Organization (Theory)	100/ 6
LIS 202	Research Methodology and Statistical Techniques	100/ 6
LIS 203	Library Operations	100/ 6
LIS 204	Information and Communication Technology Applications in Libraries (Theory)	100/ 6

Total Marks/Credits: 400/ 24

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

Course Code: LIS 201- Knowledge Organization (Theory)

Credits: 6

Duration of Exam: 3 Hours

Max. Marks: 100

Semester Examination: 80 Marks

Internal Assessment: 20 Marks

Objective:

- To acquaint with the principles, standards, techniques of knowledge organization in libraries particularly with reference to classification and cataloguing.

Unit - I:

- 1.1 Structure and Attributes of Universe of Knowledge
- 1.2 Growth of knowledge and its impact on Library and Information Centers
- 1.3 Universe of Subjects as Mapped in DDC
- 1.4 Universe of Subjects as Mapped in UDC and CC

Unit - II:

- 2.1 Comparative study of UDC and CC
- 2.2 Modes of Formation of Subject
- 2.3 Canons of Classification: An Overview
- 2.4 Role of CRG, ISKO, DRTC, and BSO in the field of Library Classification

Unit - III:

- 3.1 Canons of Cataloguing: An overview
- 3.2 Cataloguing of Indic Names
- 3.3 Comparative Study of AACR-2R and CCC
- 3.4 RDA: Structure and Features

Unit – IV:

- 4.1 Bibliographic formats: MARC, UNI-MARC
- 4.2 Common Communication Format (CCF)
- 4.3 ISO-2709/Z39, Dublin Core Metadata
- 4.4 Online Computer Library Centre (OCLC) and World-Cat

Unit-V:

- 5.1 ISSN and ISBN
- 5.2 ISBD: Aim and Structure
- 5.3 OPAC
- 5.4 Web-OPAC

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

Course Code: LIS 201- Knowledge Organization (Theory)

INSTRUCTIONS FOR COURSE-SETTERS / EXAMINERS AND CANDIDATES

- i) *The theory Course will be of 80 marks only and 20 marks will be for Internal Assessment.*
- ii) *The syllabus is divided into five units.*
- iii) *There shall be 11 questions in all. The first question will be compulsory and shall have objective type 10 questions spread over the whole syllabus. The candidates are required to attempt all objective type questions carrying 10 marks i.e. 1 marks for each. Besides the Course shall contain 5 units. Each unit shall have two questions and the candidates will be given internal choice for attempting one question from each Unit. Each question will carry 14 marks.*

Recommended Readings for Library Classification

- Hussain, S. (2004). *Library classification: Facets and analyses*. Delhi: B. R. Publishing.
- Krishan, K. (1985). *Theory of classification*. New Delhi: Vikas Publishing House.
- Kumbhar, R. (2011). *Library Classification trends in the 21st century*. Cambridge: Chandos Publishing.
- McIlwaine, I.C. (2007). *The Universal Decimal Classification :A guide to its use*. Hague: UDC Consortium.
- Ranganathan, S. R. (1973). *Classification and communication*. Bangalore: Sarada Ranganathan Endowment for Library Science.
- Ranganathan, S. R. (2006). *Prolegomena to library classification* (3rd ed.). Bangalore: Sarada Ranganathan Endowment for Library Science.
- Satija, M. P. (2007). *The theory and practice of the Dewey Decimal Classification*. Cambridge: Chandos Publishing.
- Satija, M. P. (2013). *Dewey Decimal Classification: Edition 19 (1979) to Edition 23 (2011)*. New Delhi: Ess Ess Publications.

Recommended Readings for Library Cataloguing

- Bowman, J.H. (2003). *Essential cataloguing: The basics*. UK: facet publishing.
- Chodhury, B. K., & R. K. Rout. (1997). *Cataloguing of non-book materials: A Practical Manual* (AACR-2, 1988 Revision). Delhi: Reliance Publishing House.
- Dhawan, K. S. (1997). *Online cataloguing systems*. New Delhi: Commonwealth Publishers.
- Fothergill, R., & Butchart, I. (1990). *Non book materials in libraries: A practical guide* (3rd ed.). London: Clive Bingley.
- Girja Kumar, & Krishan K. (1975). *Theory of Cataloguing* (5th ed.). New Delhi: Vikas Publishing.
- Krishan K. (1986). *An Introduction to AACR2: Anglo-American Cataloguing Rules- Second Edition*. New Delhi: Vikas Publishing.
- Miller, Joseph and Mc-Carthy, S. (2010). *Sear's List of Subject Headings* (20th ed.). New York: H. W. Wilson Company.
- Mittal, L., & Gupta, S. (1966). *Dictionary Catalogue: A Practical Manual*. Delhi: Metropolitan Book.
- Ranganathan, S.R. (2006). *Classified catalogue code*. New Delhi: Ess Ess Publications.

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

Sharma, Pandey S. K. (1986). *Cataloguing Theory*. New Delhi: Ess Ess Publications.

Viswanathan, C. G. (2008). *Cataloguing: Theory and Practice*. New Delhi: Ess Ess Publications.

Course Code: LIS 201- Knowledge Organization (Theory)

**Master of Library & Information Science (M.Lib.I.Sc.)
1st Semester Examination
LIS 201: Knowledge Organization (Theory)**

Sample paper

Time: 3 hours

Maximum Marks: 80

Note: (i) Part-A: Attempt all Question questions from Question No.1 which is compulsory.

(ii) Part-B: Attempt Five questions in all selecting one question from each unit.

Part- A

Q.1. Attempt all the following objective type questions .All questions carry equal marks.

(Max Marks 1 x 10=10)

- i).** In UDC Form and Presentation Auxiliaries are represented by:
- | | |
|-----------|-----------|
| A. (0í .) | B. (=í) |
| C. (0í .) | D. (óí ö) |
- ii).** The process of Dichotomy in classification is related to
- | | |
|---------------------------|------------------------------|
| A. Method of Residue | B. Tree of Prophecy |
| C. Natural Classification | D. Artificial Classification |
- iii).** Method of Residue is to find out the
- | | |
|----------------------|-----------------|
| A. Matter Facet | B. Energy Facet |
| C. Personality Facet | D. Space Facet |
- iv).** OPAC stands for
- | | |
|-----------------------------------|--------------------------------------|
| A. Online Public Access Catalogue | B. Online Public Automated Catalogue |
| C. Online Public Access Computer | D. Ohio Public Access Catalogue |
- v).** Bio-Chemistry is obtained through
- | | |
|---------------|------------|
| A. Lamination | B. Cluster |
| C. Fusion | D. Fission |
- vi).** Which Classification scheme does not use mixed notation
- | | |
|--------|--------|
| A. UDC | B. DDC |
| C. CC | D. BC |
- vii).** In Dewey Decimal Classification 20th Volume how many volumes are there
- | | |
|---------|----------|
| A. Two | B. Three |
| C. Four | D. Five |
- viii).** Which is not correctly matched?
- | | |
|--------------------------|--------------------|
| A. Personality, (comma) | B. Energy: (colon) |
| C. Matter ;(semi-colon) | D. Time . (dot) |
- ix).** In the Main Entry by CCC, what is written in Leading Section?
- | | |
|-----------------|----------------|
| A. Class Number | B. Call Number |
|-----------------|----------------|

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

- x). C. Book Number
A. Two
C. Ten
- D. Accession Number
B. Many
D. Five

Course Code: LIS 201- Knowledge Organization (Theory)

Sample paper

Part- B (Long Answer Type Question)

Note: Attempt Five questions in all selecting one question from Each Unit. All questions carry equal marks.

Max. Marks: 14 x 5= 70

Unit – I

Q. 2. Discuss Structure and Attributes of Universe of Knowledge with suitable examples.

OR

Q. 3. Discuss how Universe of Subjects as Mapped in DDC?

Unit - II

Q. 4. Discuss various Modes of Formation of Subjects.

OR

Q. 5. Distinguish between Standard Schemes of Classification UDC and CC on the basis of their prominent features.

Unit - III

Q. 6. Enumerate the various Canons of Cataloguing. Discuss in details any two of them with suitable examples.

OR

Q. 7. Give a comparative study of AACR-2R and CCC.

Unit – IV

Q. 8. Discuss in the need and features Online Computer Library Centre (OCLC) and WorldCat.

OR

Q. 9. Write an essay on MARC and UNI-MARC.

Unit-V

Q. 10. Write a detailed note on ISSN and ISBN.

OR

Q. 11. Discuss use and features of Online Public Access Catalogue (OPAC) and Web-OPAC.

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

Course Code: LIS 202- Research Methodology and Statistical Techniques

Credits: 6

Duration of Exam: 3 Hours

Max. Marks: 100

Semester Examination: 80 Marks

Internal Assessment: 20 Marks

Objectives:

- To familiarize with basic concepts of research, various types, methods design of research in the field of library and information science.
- To develop basic understanding of various statistical techniques applicable in the field of library and information science for descriptive/inferential analysis.

Unit - I:

- 1.1 Research: Theory, Types and Ethics
- 1.2 Concept, Variables, and Nature of data
- 1.3 Research Process, Research Design: Need, Purpose and Types
- 1.4 Formulation of Research Problem, Hypothesis

Unit - II:

- 2.1 Research Methods: Historical, Case Study and Survey
- 2.2 Ranganathan's Spiral of Scientific Method
- 2.3 Sampling Techniques
- 2.4 Data Collection Techniques (Questionnaire, Interview and Observation Method)

Unit - III:

- 3.1 Data processing and analysis (qualitative and quantitative), Displaying (text, tables, graph), scales
- 3.2 Descriptive Statistics: Measures of Central Tendency: Mean, Median and Mode
- 3.3 Measures of Dispersion: Range Variance & Standard Deviation; Test of Significance- T-test, F-Test and Chi Square Test
- 3.4 Time Series Analysis, Correlation Analysis and Regression Analysis

Unit - IV:

- 4.1 Citation Analysis and Content Analysis
- 4.2 Bibliometrics Laws: Lotka's Law, Bradford's Law and Zipf's Law
- 4.3 Science Indicators & Mapping of Science
- 4.4 Generalization, Theory Building (model, theories, and paradigm)

Unit - V:

- 5.1 Referencing Styles: MLA, Chicago and APA Style Structure, Style, Concepts, Guidelines for Research Reporting
- 5.2 Writing Research Proposal and Research Report: Main Components Structure and Guidelines

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

- 5.3 Plagiarism: Issues and Challenges
- 5.4 Current Trends in Library & Information Science Research

Course Code: LIS 202- Research Methodology and Statistical Techniques

INSTRUCTIONS FOR COURSE-SETTERS / EXAMINERS AND CANDIDATES

- i) *The theory Course will be of 80 marks only and 20 marks will be for Internal Assessment.*
- ii) *The syllabus is divided into five units.*
- iii) *There shall be 11 questions in all. The first question will be compulsory and shall have objective type 10 questions spread over the whole syllabus. The candidates are required to attempt all objective type questions carrying 10 marks i.e. 1 marks for each. Besides the Course shall contain 5 units. Each unit shall have two questions and the candidates will be given internal choice for attempting one question from each Unit. Each question will carry 14 marks.*

Recommended Readings

- Ahuja, R. (2005). *Research Methods*. New Delhi: Rawat publications.
- Alvenson, M., & Skoldberg, K. (2009). *Reflexive methodology: New vistas in qualitative research*. (2nd ed.). London: Sage Publication.
- Baker, L. (2006). *Research Methods*. U.S.A: John Hopkins University Press.
- Balasubramanian, P., & Baladhandayutham, A. (2011). *Research Methodology in Library Science*. New Delhi: Deep & Deep.
- Devarajan G. (2002). *Research in Library and Information Science*. New Delhi: Ess Ess Publications.
- Gupta, S. C. (2007). *Fundamental of Statistics*. New Delhi: Himalaya.
- Gupta, S. P. (2004). *Statistical Methods*. New Delhi: Sultan Chand.
- James, T. McClave. (2005). *First course in statistics*. (9th ed.). New Delhi: Prentice Hall.
- Khanna, J. K., & Khurana, S. (2008). *Handbook of research methodology*. Agra: Y.K. Publishers.
- Kothari, C. R. (2004). *Research methodology: Methods & techniques*. New Delhi: New Age Publishers.
- Thakur, D. (2008). *Research methodology in social sciences*. New Delhi: Deep & Deep Publications.
- Daland, H.D. (2016). *New roles for research librarians : Meeting the expectations for research support*. London: Chandos Publishing.
- Dhanavandan, S. (2017). *Research methodology for libraries: Tools & techniques*. New Delhi: Dominant Publishers.
- Ball, R. (2017). *An introduction to Bibliometrics*. (1st ed.). London: Chandos Publishing.
- Kothari, C.R., & Garg, G. (2019). *Research methodology: Methods and techniques*. New Delhi: New Age International Publishers.
- Upson, M. (2015). *Information now: A graphic guide to student research*. Chicago: The University of Chicago Press Books.

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

Course Code: LIS 202- Research Methodology and Statistical Techniques

Sample paper

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

1st Semester Examination

LIS 202: Research Methodology and Statistical Techniques

Time: 3 hours

Maximum Marks: 80

Note: (i) Attempt question one containing objective type questions from Part-A which is compulsory.
(ii) Attempt five long answer type questions in all selecting one question from each unit from Part-B.

Part- A (Objective Type Questions)

Q.1. Attempt all the questions. Tick the right answer as per your opinion. All questions carry equal marks. **1 x 10= 10**

- | | |
|--|---|
| (i) Fact finding study is -
A. Pure Research
B. Applied Research | C. Action Research
D. None of The Above |
| (ii) Hypothesis must have í í í í í í
A. Applicability
C. Testability | B. Durability
D. Measurement |
| (iii) Survey is always a í í í í .. study
A. Field
C. Diagnostic | B. Laboratory
D. Class room |
| (iv) A Blue print of Research work to be done is called
A. Research Problem
C. Research tools | B. Research design
D. Research methods |
| (v) Failure to acknowledge the borrowed material and citing it as your own is called
A. Acknowledgement
C. Index | B. Foot note
D. Plagiarism |
| (vi) Probability sampling is otherwise called
A. Non-Random Sampling
C. Random Sampling | B. Probability Sampling
D. Stratified Sampling |
| (vii) Assigning numerals or other symbols to the categories or response is called
A. Tabulation
C. Transcription | B. Coding
D. Editing |
| (viii) Summarizing raw data and displaying them on compact statistical tables for analysis is
A. Tabulation
C. Transcription | B. Interpretation
D. Analyzing |
| (ix) Interview with a detailed standardized schedule is called
A. Focus Interview
B. Group Interview | C. Structural Interview
D. Personal Interview |
| (x) Fundamental Research is otherwise called-
A. Pure Research | C. Applied Research |

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

B. Action Research

D. None of The Above

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

Course Code: LIS 202- Research Methodology and Statistical Techniques

Sample paper

Part- B (Long Answer Type Questions)

Note: Attempt any one question from each unit. Each question carries equal marks.

14 x 5= 70

Unit-I

Q. 2. Define the term 'research'. Describe the conceptual framework of research process.

Or

Q. 3. Differentiate between basic research, applied research and action research.

Unit-II

Q. 4. What do you understand by scientific method of research? Discuss in detail Ranganathan's spiral of scientific method.

Or

Q. 5. Examine critically the importance of interviews as a tool for research..

Unit-III

Q. 6. What do you understand by "Time Series Analysis"? Discuss its importance in research.

Or

Q. 7. The data processing and analysis is important in research. Discuss with suitable examples.

Unit-IV

Q. 8. Define the term -Bibliometrics analyses. Enumerate various Bibliometrics laws and discuss any one of them with suitable example.

Or

Q. 9. What do you mean by Citation analysis? Describe how impact factor is calculated for the publications during a particular year.

Unit-IV

Q.10. What is plagiarism? Discuss how it can be curbed.

Q.11. What is the criterion of Good report writing? Discuss the format and contents for writing a research report.

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

Course Code: LIS 203- Library Operations

Credits: 6

Duration of Exam: 3 Hours

Max. Marks: 100

Semester Examination: 80 Marks

Internal Assessment: 20 Marks

Objective:

- To acquaint with the essential routines and operations performed in libraries to provide effective services.

Unit - I:

- 1.1 Library Operations: An Introduction to Various Sections
- 1.2 Organizational Pattern of Different types of Libraries
- 1.3 Ethics of Librarianship and Skill developments
- 1.4 Library Rules and Regulations

Unit - II:

- 2.1 Collection Development: Philosophy, Purpose and Policy
- 2.2 Collection Development: Tools and Principles
- 2.3 Acquisition of Books and non-print material
- 2.4 Acquisition of Serials

Unit – III:

- 3.1 Technical Processing: Functions and Procedure
- 3.2 Circulation Section: Functions, Charging and Discharging Systems
- 3.3 Care and Preservation of Books
- 3.4 Care and Preservation of Non-Book Materials

Unit - IV:

- 4.1 Library Authority and Library Committee
- 4.2 Library Finance: Sources
- 4.3 Stock Verification: Methods and Tools
- 4.4 Stock Evaluation and Weeding

Unit-V:

- 5.1 Library Infrastructure: Building, Furniture, etc.
- 5.2 Library Statistics and Annual Reports
- 5.3 Library Users: Characteristics and their Needs
- 5.4 Library Orientation

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

Course Code: LIS 203- Library Operations

INSTRUCTIONS FOR COURSE-SETTERS / EXAMINERS AND CANDIDATES

- i) *The theory Course will be of 80 marks only and 20 marks will be for Internal Assessment.*
- ii) *The syllabus is divided into five units.*
- iii) *There shall be 11 questions in all. The first question will be compulsory and shall have objective type 10 questions spread over the whole syllabus. The candidates are required to attempt all objective type questions carrying 10 marks i.e. 1 marks for each. Besides the Course shall contain 5 units. Each unit shall have two questions and the candidates will be given internal choice for attempting one question from each Unit. Each question will carry 14 marks.*

Recommended Readings

Budd, J.M. (2018). *The changing academic library: Operations, culture, environment.* (3rd ed.). US: ACRL.

Johnson, P. (2004). *Fundamentals of Collection Development and Management*, Chicago: American Library Association.

Krishan K. (1987). *Library Administration and Management*. Delhi: Vikas Publishing.

Magrill, R. M. (1989). *Acquisitions Management and Collection Development in Libraries* (2nd ed). Chicago: American Library Association.

Millard, S. (2004). *Introduction to Serials Work for Library Technicians*. U.S.A: Haworth Press.

Moran and Morner (2017). *Library and information center management.* (9th ed.). US: ABC-CLIO.

Moran, Morner and Stueart (2012). *Library and information center management.* (8th ed.). US: ABC-CLIO.

Mukherjee, A. K. (1974). *Book Selection, Principles, Practices and Tools*. Calcutta: World Press.

Preer, J. (2008). *Library ethics*. Colorado: Libraries unlimited.

Ranganathan, S. R. (1989). *Library Administration* (2nd rev. ed.). Bangalore: Sarada Ranganathan Endowment for Library Science.

Stueart, R.D., & Sullivan, M. (2010). *Developing library leaders: A How-to-do-it manual for coaching, Team building, and mentoring library staff*. US: Neal-Schuman Publishers.

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

Course Code: LIS 203- Library Operations

**Master of Library & Information Science (M.Lib.I.Sc.)
1st Semester Examination
LIS 203: Library Operations**

Sample paper

Time: 3 hours

Maximum Marks: 80

Note: (i) Attempt question no. 1 containing objective type answers from Part-A which is compulsory.
(ii) Attempt four long answer type questions in all selecting one question from each unit from Part-B.

Part- A (Objective Type Questions)

Q.1. Attempt all the questions. Tick the right answer as per your opinion. All questions carry equal marks.

1 x 10= 10

- (i) The sources of finance for University library is/are:
A. University Budget
B. State Govt. Grant
C. UGC Grant
D. All the above
- (ii) What is meant by organizational structure of the libraries?
A. Structure of the library building
B. Structure of the library
C. Blue print of the structure of the library
D. Structure and Space
- (iii) The concept of Demand Theory of book selection was conceived by whom?
A. F.W.Drury
B. Mc Colvin
C. Ranganathan
D. Melvil Dewey
- (iv) Which one is the useful and best method of acquisition of serials publications in the libraries?
A. One card system
B. Three cards system
C. Two cards system
D. Multi cards system
- (v) Who devised Browne circulation system?
A. James Duff
B. Neena E. Browne
C. George Browne
D. Brown field
- (vi) Bar code technology is useful for which of the operations of the libraries?
A. Circulation
B. Stock Taking
C. Acquisition
D. All the above
- (vii) Book misplaced on the shelves by readers are restored. This work is referred to as:
A. Shelf Rectification
B. Shifting of books
C. Stock Verification
D. Shelf
- (viii) Which form of the library building remains good?
A. Functional
B. Multi-storied
C. Modular
D. Monumental
- (ix) Library collection, processing, organizing, management and all services are entirely geared on which of the following in the library?
A. Books
B. Users
C. Staff
D. Functions
- (x) Library Authority indicates:
A. Governing body
B. Library members
C. Librarian
D. None of the above

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

Course Code: LIS 203- Library Operations

Sample paper

Part- B (Long Answer Type Questions)

Note: Attempt any one question from each unit. Each question carries equal marks.

14 x 5= 70

Unit-I

Q. 2. What are the various ethical issues involved in library and information profession?

Or

Q. 3. Enumerate different sections of a library. Explain in detail various operations performed by different sections.

Unit-II

Q. 4. Write in detail about collection development. What are the principles of book selection?

Or

Q. 5. What steps are involved in the acquisition of print and non-print material?

Unit-III

Q. 6. What are the various functions of circulation section and discuss any one of the methods of charging system suitable for a university library?

Or

Q. 7. Write a note on care and preservation of documents in libraries.

Unit-IV

Q. 8. Discuss the role of Library Committee in smooth functioning of a Library.

Or

Q. 9. Write an essay on library finances.

Unit-IV

Q. 10. What is annual report? Describe the need and importance of preparing annual report of large library like university library.

Or

Q. 11. Write a short note on:
(i) Library building
(ii) Library Furniture

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

**Course Code: LIS 204- Information and Communication Technology Applications in Libraries-
(Theory)**

6 Credits

Duration of Exam: 3 Hours

Max. Marks: 100

Semester Examination: 80 Marks

Internal Assessment: 20 Marks

Objectives:

- To develop an understanding of current applications of computer and communications technology in library and information services.
- To familiarize with library automation software (Both proprietary and open source)
- To acquaint about emerging technologies useful for information access, Digital Libraries, and allied concepts.

Unit - I:

- 1.1 Library Automation: Introduction, Need, Planning and Evaluation Packages, Basic Requirements
- 1.2 Approaches to Automation, Retrospective Conversion
- 1.3 Application of ICT in House Keeping Jobs
- 1.4 Introduction to Digital Library and Virtual Library, Digitization: Concept, Need, Methods and Equipment

Unit - II:

- 2.1 Library Automation Software: Types, Features (Bibliographic, Automation and Digital), Selection and Evaluation Criteria: WINISIS, KOHA, GSDL etc
- 2.2 Institutional Repositories: Concept, Objectives and Development
- 2.3 Subject Gateway and Library Portal: Concept and Features
- 2.4 Expert system in Libraries, Library Security Technology (RFID, Bar-coding, smart card etc.)

Unit - III:

- 3.1 Network Protocols Transport (TCP, UDP and AAL) Application (HTTP, FTP, Telnet) Communication protocols
- 3.2 Network Protocol architecture: Integrated Services Digital Network (ISDN), Open Systems Interconnection (OSI). DNS, Mail Servers, Listserves.
- 3.2 Network Security
- 3.4 Library and Information Networks: Concept, Characteristics and Management

Unit - IV:

- 4.1 Content Management Systems- Introduction; benefits, Principles. Relationship with other information systems: document management, records management, digital asset management
- 4.2 CMS Architecture, System and Data Integration in CMS and applications.
- 4.3 Artificial Intelligence: Concept, Problem, Approaches and Tools in libraries
- 4.4 Data Mining, Data warehousing: Introduction, Issues and Challenges, Applications

Unit - V:

- 5.1 DBMS: Basic concept, architectures, types
- 5.2 DBMS: database integrity and normalization, file organization
- 5.3 DBMS: packages
- 5.4 Database searching

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

**Course Code: LIS 204- Information and Communication Technology Applications in
Libraries- (Theory)**

INSTRUCTIONS FOR COURSE-SETTERS / EXAMINERS AND CANDIDATES

- i) *The theory Course will be of 80 marks only and 20 marks will be for Internal Assessment.*
- ii) *The syllabus is divided into five units.*
- iii) *There shall be 11 questions in all. The first question will be compulsory and shall have objective type 10 questions spread over the whole syllabus. The candidates are required to attempt all objective type questions carrying 10 marks i.e. 1 marks for each. Besides the Course shall contain 5 units. Each unit shall have two questions and the candidates will be given internal choice for attempting one question from each Unit. Each question will carry 14 marks.*

Recommended Readings

- Abbott,A.(2014). *Digital paper: A manual for research and writing with library and internet material*. Chicago: The University of Chicago Press Books.
- Balakrishnan, S. (2000). *Networking and the Future of Libraries*. New Delhi: Ess Ess Publications.
- Bradley, P. (2007). *How to Use Web 2.0 in your Library*. London: Facet Publishing.
- Chowdhury, G. G. (2012). *Digital Libraries and Information Access*. Chennai: Allied Publishers.
- Clyde, L. (2004). *Weblogs and Libraries*. Oxford: Chandos Publishing.
- England,L.A.,& Miller,S.P.(2016). *Maximizing electronic resource management in library*. London: Chandos Publishing.
- Fay, R., & Sauers, M. (2012). *Semantic Web Technologies and Social Searching for Librarians*. Chicago: Neal-Schuman Publishers.
- Kroski, E. (2008). *Web 2.0 for Librarians and Information Professionals*. New York: Neal Schuman Publishers.
- Liu, J. (2007). *Metadata and its Applications in the Digital Library: Approaches and Practices*. Westport: Libraries Unlimited.
- Mahapatra, P. K., & Chakrabarti, B. (2000). *Book Byte and Beyond: Library Without Walls*. New Delhi: Ess Ess Publications.
- Nair, R. R. (1999). *Internet for Library & Information Services*. New Delhi: Ess Ess Publications.
- Ortega,J.L.(2016). *Social networks sites for scientists*. London: Chandos Publishing.
- Patterson, D. W. (2000). *Introduction to Artificial Intelligence and Expert Systems*. New Delhi: Prentice Hall of India.
- Shukla, & Tripathi(2015). *Webometric studies of libraries*. New Delhi: Ess Ess Publications.
- Vince, J. (2004). *Introduction to Virtual Reality*. London: Springer.

**Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021**

**Course Code: LIS 204- Information and Communication Technology Applications in Libraries-
(Theory)**

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

Sample paper

LIS- 204: Information and Communication Technology Applications in Libraries (Theory)

Time: 3 hours

Maximum Marks: 80

Note: (i) Attempt question one containing objective type questions from Part-A which is compulsory.
(ii) Attempt four long answer type questions in all selecting one question from each unit from Part-B.

Part- A (Objective Type Questions)

Q.1. Attempt all the questions. Tick the right answer as per your opinion. All questions carry equal marks.

1 x 10= 10

- i. CDS/ISIS introduced by
 - a. UNESCO
 - b. IFLA
 - c. ASLIB
 - d. IBM
- ii. LAN is
 - a. The public network
 - b. Operatable at higher speed
 - c. Both
 - d. None
- iii. A relational database consists of a collection of
 - a) Tables
 - b) Fields
 - c) Records
 - d) Keys
- iv. The term _____ is used to refer to a row.
 - a) Attribute
 - b) Tuple
 - c) Field
 - d) Instance
- v. Database _____ which is the logical design of the database, and the database which is a snapshot of the data in the database at a given instant in time.
 - a) Instance, Schema
 - b) Relation, Schema
 - c) Relation, Domain
 - d) Schema, Instance
- vi. The structure or format of data is called
 - a) Syntax
 - b) Semantics
 - c) Struct
 - d) None
- vii. The first Network
 - a) CNNET
 - b) NSFNET
 - c) ASAPNET
 - d) ARPANET
- viii. A set of rules that governs data communication
 - a) Protocols
 - b) Standards
 - c) RFCs
 - d) None of the mentioned
- ix. Which one of the following is not an open software
 - a) D space
 - b) Windows
 - c) Greenstone
 - d) Linux
- x. Blog is an
 - a) Online journal
 - b) Search engine
 - c) Offline journal
 - d) Web directory

Master of Library & Information Science - First Semester
Examination to be held in December 2019, 2020, 2021
Course Code: LIS 204- Information and Communication Technology Applications in Libraries-
(Theory)

Part- B (Long Answer Type Questions)

Sample paper

Note: Attempt any one question from each unit. Each question carries equal marks.

5 x 14= 70

UNIT- I

Q.2 Explain various Approaches to Automation.

OR

Q.3 Explain the concept of digitization, its methods and equipments.

UNIT- II

Q.4 Explain the Library Automation Software and categories.

OR

Q.5 Write a note on Technologies used for Library Security

Unit- III

Q.6 Explain the concept of ISDN. Discuss the factors responsible for its development.

OR

Q.7 Describe the services provided by INFIBNET.

UNIT- IV

Q.8 Explain the relationship of CMS with other information systems.

OR

Q.9 What is data mining and its application in library and information

UNIT- V

Q.10 Discuss the various DBMS architectures.

OR

Q.11 Discuss various database packages

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Annexure- VI

M.Lib.I.Sc Programme

The following courses of the study are prescribed in the Second Semester for the session- May 2020, 2021, and 2022.

Course Code	Title of the Course	Maximum Marks/ Credits
LIS 205	Information and Communication Technology Applications in Libraries (Practice)	100/ 6
LIS 206	(A) Knowledge Organization: Advanced Classification Practice	50/ 3
	(B) Knowledge Organization: Advanced Cataloguing Practice	50/ 3
LIS 207	Information Literacy	100/ 6
LIS 208	Elective: (E) Dissertation Or (F) Information Sources and Products in Science and Technology Or (G) Information Sources and Products in Agricultural Sciences Or (H) Information Sources and Products in Social Science	100/ 6
LIS 209	Library Internship	50/ 3

Total Marks/ Credits: 450/ 27

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

**Course Code: LIS 205- Information and Communication Technology Applications in
Libraries (Practice)**

6 Credits

Duration of Exam: 3 Hours

Max. Marks: 100

Semester Examination: 80 Marks

Internal Assessment: 20 Marks

Objectives:

- To create and access e-content useful for knowledge and development by developing interfaces, sensitizing in Web designing, familiarizing searching techniques and emerging web services besides facilitating print and web resource management.

Unit - I:

- 1.1 Installation and configuration of library software using KOHA
- 1.2 Installation and configuration of library software using GSDL

Unit - II:

- 2.1 Web Designing with Hyperlinks and Multimedia Features Using HTML Code
- 2.2 Designing Static and Dynamic Library Website

Unit - III:

- 3.1 Setting up a Network Connectivity under Windows Environment
- 3.2 Federated search and Z39.50 standard for Retrieval (Searching LC Z39.50 Compliant Online Catalog) <https://www.loc.gov/z3950/>

Unit - IV:

- 4.1 Use of Mailing Lists and Scholarly Discussion Groups
- 4.2 Subscribing RSS Feeds through Online Aggregator or Desktop Aggregator
- 4.3 Sharing Files between Computers

Unit - V:

- 5.1 Database Creation Using My-SQL
- 5.2 Database Creation of Tables, Retrieving Data Using SQL Query Analyzers

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

**Course Code: LIS 205- Information and Communication Technology Applications in
Libraries (Practice)**

INSTRUCTIONS FOR COURSE-SETTERS / EXAMINERS AND CANDIDATES

- *The practical examination will be conducted jointly by external examiner invited for the purpose and the internal examiner.*

Recommended Readings:

Abbott,A.(2014). *Digital paper: A manual for research and writing with library and internet material*. Chicago: The University of Chicago Press Books.

Breeding, M. (2012). *Cloud Computing for Librarians*. Chicago: Neal-Schuman Publishers.

England,L.A.,& Miller,S.P.(2016). *Maximizing electronic resource management in library*. London: Chandos Publishing.

INFLIBNET. (2003). *Software for University Libraries User Manual*. Ahmadabad: INFLIBNET.

Kaushik,A.(2017). *Emerging trends in library information science*. New Delhi: Kaveri Book Service.

Lowery, J. W. (2002). *Dreamweaver MX Bible*. Indianapolis: Wiley Publishing.

McCoy, J. (1996). *Mastering Web Design*. New Delhi: BPB.

Ortega,J.L.(2016). *Social networks sites for scientists*. London: Chandos Publishing.

Phadke, D.N.(2018). *Library information technology*. Pune: Universal Prakashan.

Pandey, S. K. Sharma. (1993). *Library Computerization: Theory and Practice*. New Delhi: Ess Ess Publications.

Shukla, & Tripathi(2015). *Webometric studies of libraries*. New Delhi: Ess Ess Publications.

Witten, I. H., Boddie, S., & Thompson, J. (2006). *Greenstone Digital Library User's Guide*. New Zealand: New Zealand Digital Library Project.

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Course Code: LIS 206 (A) - Knowledge Organization: Advanced Classification- (Practice)

Credits: 3

Duration of Exam: 2 Hours

Max. Marks: 50

Semester Examination: 40 Marks

Internal Assessment: 10 Marks

Objectives:

- To acquaint students with the Techniques of Classifying Titles of Documents according to Universal Decimal Classification Schemes.
- To acquaint the students with the Book Numbering Techniques by using Cutter's Tables.

**Classification of documents according to Universal Decimal Classification Scheme (UDC)
(Latest Available Edition)**

Unit - I:

- 1.1 Introduction, Structure and Notation
- 1.2 Definitions, Notes and Instructions
- 1.3 Classification of Documents: Simple Subjects
- 1.4 Classification of Documents: Use of Tables of Auxiliaries a and b
- 1.5 Classification of Documents: Use of Tables of Auxiliaries c and d

Unit - II:

- 2.1 Classification of Documents: Use of Tables of Auxiliaries e and f
- 2.2 Classification of Documents: Use of Tables of Auxiliaries g, h and i
- 2.3 Classification of Documents: Compound and Complex Subjects
- 2.4 Classification of Documents: Use of Tables of Special Auxiliaries

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Course Code: LIS 206 (A) - Knowledge Organization: Advanced Classification- (Practice)

INSTRUCTIONS FOR COURSE-SETTERS / EXAMINERS AND CANDIDATES

- i) *This Course will be of 40 marks only and 10 marks will be for internal Assessment.*
- ii) *The Syllabus is divided into two units.*
- iii) *There shall be 20 titles spread all over the syllabus. The candidates are required to classify any 10 titles. All the titles carry equal marks.*

Recommended Readings:

Bose, H. (1987). *Universal Decimal Classification*. Bangalore: Sterling.

C. A. Cutter's Code (Latest Available Edition).

McIlwaine, I.C.(2007).*The Universal Decimal Classification: A guide to its use*. Hague: UDC Consortium.

Otlet, Paul, & Fontaine, Henry L. (1961). *Universal Decimal Classification* (abridged 3rd rev. ed.). London: BSI.

Ranganathan, S.R. (2006). *Prolegomena to Library Classification*. Bangalore: Sarada Ranganathan Endowment for library Science.

Ranganathan,S.R.(2015). *Colon classification*. New Delhi: Ess Ess Publications.

Sajita,M.P.(2013).*Dewey Decimal Classification*.(19thed. -23rded.).New Delhi :Ess Ess publication.

Satija, M.P. (2007). *The Theory and Practice of the Dewey Decimal Classification*. London:Chandos Publishing.

Satyananarayana, V.V.V. (1998). *Universal Decimal Classification: A Practical Primer*. New Delhi: Ess Ess Publications.

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Course Code: LIS 206 (A) - Knowledge Organization: Advanced Classification- (Practice)

**Master of Library & Information Science (M.Lib.I.Sc.)
2nd Semester**

Sample paper

LIS 206 (A)- Knowledge Organization: Advanced Classification Practice

Duration of Exam: 2 Hours

Max. Marks: 40

Note: -Classify any 10 titles by UDC (Latest Available Edition). All titles carry equal marks.

4 x 10 = 40

1. Computer Virus Handbook published in Russian Language in Japan in 2007.
2. Treatment of Typhoid amongst WomenóProceedings of Conference held in Kenya, 5th-6th May 2007.
3. Criticism of Pseudonymous Works of Rabindranath Tagore.
4. Protection of Apple Fruits in Kashmir Region during Summer Season.
5. Diplomatic Relations between China and Pakistan during 1980s.
6. Religious Paintings on Canvas in Indonesia during 16th Century.
7. Proceedings of the International Conference on Cataloguing and Indexing held at Austria from 17-18 July 1996.
8. Frontline, a Magazine published in India.
9. Variations in the Atmospheric Pressure on 7th January 2013 in India.
10. Manuscripts published in Sanskrit Language during 18th Century in Karnataka.
11. Judaism, a Historical Presentation.
12. Encyclopaedia of Optics in German Language.
13. English-Russian Military Engineering Dictionary published in 2004.
14. Preparation of Breakfast for Children.
15. Biography of C.V.Raman.
16. Tagoresó Gitanjali in English.
17. Paintings of Hebbler.
18. Hindustan Machine Tools.
19. Set up of Medical Libraries in India.
20. Annual Report of Osmania University.

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Course Code: LIS 206 (B) - Knowledge Organization: Advanced Cataloguing- Practice

Credits: 3

Max. Marks: 50

Duration of Exam: 2 Hours

Semester Examination: 40 Marks

Internal Assessment: 10 Marks

Objectives:

- To acquaint with the techniques involved in cataloguing of documents according to AACR-2R.
- Cataloguing of Documents According to AACR-2R: Non-book Material & Electronic Material

Unit - I:

- 1.1 Complexities of Periodicals
- 1.2 Microforms
- 1.3 Graphic Material
- 1.4 Cartographic Material
- 1.5 Manuscripts

Unit - II:

- 2.1 Sound Recordings
- 2.2 Motion Pictures
- 2.3 Video Recordings
- 2.4 Computer Files
- 2.5 MARC-21: Structure and Implementation

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Course Code: LIS 206 (B) - Knowledge Organization: Advanced Cataloguing- Practice

INSTRUCTIONS FOR COURSE-PAPER SETTERS / EXAMINERS AND CANDIDATES

- *The Course is divided in to two units. The paper will contain six titles. Candidates are required to catalogue fully three titles in all .Out of which at least one title is from each unit (Internal choice being hundred percent).*
- *There will be separate Course for both courses –Course No. LIS 206 (A) and Course No. LIS 206 (B) of two hours duration each.*

Recommended Readings

- Aswal, R. S. (2005). *AACR-2R with MARC 21: Cataloguing Practice for 21st Century*. New Delhi: Ess Ess Publications.
- Bowman, J.H. (2003). *Essential cataloguing: The basics*.UK: facet publishing.
- Chodhury, B. K., & R. K. Rout. (1997). *Cataloguing of Non-Book Materials: A Practical Manual (AACR-2, 1988 Revision)*. Delhi: Reliance Publishing House.
- Das, S. K. (2009). *Fundamentals of MARC-21*. New Delhi: Ess Ess Publications.
- Dhawan, K. S. (1997). *Online Cataloguing Systems*. New Delhi: Commonwealth Publishers.
- Fritz, D. A., & Fritz, R. J. (2009). *MARC 21 for Everyone: A Practical Guide*. New Delhi: Indiana.
- Gorman, M., & Winkler, P. W. (Eds.). (1978). *Anglo-American Cataloguing Rules (2nded.)*. London: Concept Publishing Company.
- Krishan K. (2001). *Introduction to AACR-2 (4thed.)*. New Delhi: Vikas Publishing.
- Ranganathan,S.R.(2006). *Classified catalogue code*. New Delhi: Ess Ess Publications.
- Sears, M. E. (2004). *Sears List of Subject Headings*. 20th ed. Edited by Joseph Miller. New York: H. W. Wilson.
- Viswanathan, C.G. (2008). *Cataloguing: Theory and Practice*. New Delhi: Ess Ess Publications.
- Welsh,A., & Batley,S.(2013). *Practical cataloguing: AACR, RDA, MARC21*.New Delhi: Ess Ess Publications.

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Course Code: LIS 206 (B) - Knowledge Organization: Advanced Cataloguing- Practice

Sample paper

**Master of Library & Information Science (M.Lib.I.Sc.)
2nd Semester**

Course No.: LIS 206 (B)- Knowledge Organization: Advanced Cataloguing (Practice)

Duration of Exam: 2 Hours

Max. Marks: 40

Note: - Catalogue fully three titles in all, selecting at least one from each unit according to AACR-2R. All the entries for each title should be completed before attempting the next title.

Unit-I

Tourist Map of Indi: Northern Region

Scale: 1:253, 400

Produced by the Directorate of Advertising and Visual Publicity

**Govt. of India
New Delhi, 1975**

Other Information:

Call No- U8f44 N75

Size: 75 x 65 cm. folded in plastic case, 33 x 30 cm.

OR

Quarterly Journal of Sociology

Class No- Ym44, N56

Vol. 1, 1956

Sponsored by the Indian Society of Sociology
One Volume completed in one Calendar year

In 1977 the title got amalgamated with

Indian Journal of Degeneration

Class no- Y: 42m44, N52

Sponsored by the Indian Society of Sociology

Other Information:

First Volume was published in 1952

Library has all the volumes up to 1989

Use inclusive notation for accession number.

OR

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Course Code: LIS 206 (B) - Knowledge Organization: Advanced Cataloguing- Practice

Sample paper

Council of Highway Maps of Northern and Southern Areas (Maps)

**By
William Sarc
Published by-
Council of Highway Maps Inc.
New York
1971**

Other Information:

Call No- 912 IND

Size- 60x45 cm. Coloured

Acc No- 3694

Folded- 2210 cm.

Scale- 1: 700, 000

Unit-II

The Waste Land and other Poems

T.S. Elliot

Long Playing Records (33 1/3 rpm)

(The record will play for 48 minutes)

Prepared by: Caldimon Records, INC, New York, C- 1971.

Note- Some of the other important poems recorded are:

- 1) The Hollowman (4 minutes)
- 2) Journey of Magi from the Ariel poems (2 minutes)
- 3) Whispers of immortality (2 minutes)

OR

Solar Energy

**Albert Smith, the developer, Chicago
Department of Science and Technology**

American Science Series, no- 3

Note- Data file having 26- logical records accompanied by 1 code book of 25 pages, size 23cm

OR

**Son and Lover
Video recordings**

**Produced by
Janathan Miller**

**Time Life Video
New York**

1983

Note- 3 video cassettes (Sony U-matic), 157 min. ¾ inches

Read and Sung by Warren Mitchell

Call no- 778.58

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Course Code: LIS 207- Information Literacy

Credits: 6

Duration of Exam: 3 Hours

Max. Marks: 100

Semester Examination: 80 Marks

Internal Assessment: 20 Marks

Objectives:

- To acquaint with the basic concept of information literacy and its theories.
- To develop skills for launching information literacy programme in the communities.

Unit - I:

- 1.1 Literacy: Concepts and types (Computer Literacy, Library Literacy, Media Literacy, Network Literacy, and Digital Literacy, etc.)
- 1.2 Information Literacy: Concept, Need, Objectives and Evolution
- 1.3 Role of Institutions in Information Literacy
- 1.4 Information Literacy Products

Unit - II:

- 2.1 Information Literacy Standards, Models
- 2.2 Information Literacy Skill and Competencies required for Users and Professionals
- 2.3 Assessment of Information Literacy Skills
- 2.4 Information Literacy Programme: Scope and characteristics

Unit - III:

- 3.1 International and National Programme in Information Literacy
- 3.2 Designing of Information Literacy Programme
- 3.3 Implementing of Information Literacy Programme
- 3.4 Evaluation of Information Literacy Programme

Unit - IV:

- 4.1 Role of Library Association in Information Literacy
- 4.2 Impact of Information Literacy on the Use of Library Resources and Services
- 4.3 Recent Trends in Information Literacy System (Web- based, OPAC, Lifelong learning)
- 4.4 Information Literacy Instructions in Library & Information Centers

Unit - V:

- 5.1 Role of Libraries in Information Literacy
- 5.2 Challenges in Information Literacy
- 5.3 Information Literacy for Society
- 5.4 Information Literacy for Research and Development

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Course Code: LIS 207- Information Literacy

INSTRUCTIONS FOR COURSE-SETTERS / EXAMINERS AND CANDIDATES

- i) *The theory Course will be of 80 marks only and 20 marks will be for Internal Assessment.*
- ii) *The syllabus is divided into five units.*
- iii) *There shall be 11 questions in all. The first question will be compulsory and shall have objective type 10 questions spread over the whole syllabus. The candidates are required to attempt all objective type questions carrying 10 marks i.e. 1 marks for each. Besides the Course shall contain 5 units. Each unit shall have two questions and the candidates will be given internal choice for attempting one question from each Unit. Each question will carry 14 marks.*

Recommended Readings

- Blanchett,H., Powis,C.,& Webb,J.(2011). *A guide to teaching information literacy*. UK: Facet Publishing.
- Eisenberg, M. B. (2004).*Information Literacy: Essential Skills for the Information Age*. (2nded.). Westport: Libraries Unlimited.
- Gibson, C. (2006). *Student Engagement and Information Literacy*. Chicago: Association of College and Research Libraries, American Library Association.
- Godwin,P.,& Parker,J.(Eds.).(2012). *Information Literacy beyond library 2.0*. UK: Facet Publishing.
- Grassian, E. S. & Kaplowitz, J. R. (2001). *Information Literacy Instruction: Theory and Practice*. New York: Neal-Schuman.
- Grassian,E. S. (2005). *Learning to Lead and Manage Information Literacy Instruction*. Neil Schuman Publishers, New York.
- Mackey, T.P.,& Jacobson,T.E. (2014). *Metaliteracy: Reinventing information literacy to empower learners*.UK: Facet Publishing.
- Rockman,I.F.& associates., Breivik,P.S.(2004). *Integrating information literacy into the higher education curriculum: Practical Models for transformation*. Jossey-Bass: Willey.
- Walsh,J.(2011). *Information literacy instruction*. London: Chandos Publishing.

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Course Code: LIS 207- Information Literacy

**Master of Library & Information Science (M.Lib.I.Sc.)
2nd Semester Examination
LIS 207: Information Literacy**

Sample paper

Time: 3 hours

Maximum Marks: 80

Note: (i) Attempt question one containing objective type questions from Part-A which is compulsory.
(ii) Attempt four long answer type questions in all selecting one question from each unit from Part-B.

Part- A (Objective Type Questions)

Q.1. Attempt all the questions. Tick the right answer as per your opinion. All questions carry equal marks.

1 x 10= 10

- i. This type of literacy identifies what the information is for, where to find it, and how to evaluate it.
 - A. Media Literacy
 - B. Information Literacy
 - C. Technology Literacy
 - D. All of the Above
- ii. This type of literacy evaluates different media forms and how can they be analyzed, evaluated, and created to send out messages efficiently and ethically.
 - A. Information Literacy
 - B. Media Literacy
 - C. Technology Literacy
 - D. All of the Above
- iii. The skill to distinguish between assumption and fact, maintaining objectivity, and considering issues from multiple perspectives and adequate depth
 - A. Critical thinking
 - B. Lifelong learning
 - C. Information Literacy
 - D. None
- iv. Guidelines on Information Literacy for Lifelong Learning
 - A. SCONUL
 - B. IFLA
 - C. AASL and AECT
 - D. ACRL
- v. Information Power: Building Partnerships for Learning
 - A. SCONUL
 - B. IFLA
 - C. AASL
 - D. ACRL
- vi. The Seven Pillars of Information Literacy
 - A. AECT
 - B. ALA
 - C. IFLA
 - D. SCONUL
- vii. Information Literacy Competency Standards for Higher Education
 - A. SCONUL
 - B. IFLA
 - C. AASL and AECT
 - D. ACRL, ALA
- viii. the big blue- taxonomy of information skills develop by
 - A. Libraries
 - B. JISC
 - C. Sylvia L Edwards
 - D. school students
- ix. The seven steps of the research process develop by
 - A. Libraries
 - B. JISC
 - C. Sylvia L Edwards
 - D. school students
- x. Standards for 21st century learner was develop for
 - A. Libraries
 - B. JISC
 - C. Sylvia L Edwards
 - D. School student

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Course Code: LIS 207- Information Literacy

Part- B (Long Answer Type Questions)

Sample paper

Note: Attempt any one question from each unit. Each question carries equal marks

5 x 14= 70

Unit-I

Q. 2. Define the term information literacy. Explain the Five laws of media literacy.

Or

Q. 3. Explain the various learning theories.

Unit-II

Q. 4. Explain various components of information literacy based any model of information literacy.

Or

Q. 5. Examine critically the importance of Information Literacy Training and development.

Unit-III

Q. 6. Explain the scope of information literacy programme.

Or

Q. 7. Describe the design of information literacy programme in academic libraries..

Unit-IV

Q. 8. Explain the Role of various Library Association in Information Literacy.

Or

Q. 9. Explain in detail the trends related with Information Literacy.

Unit-V

Q. 10. Explain in detail the issues related with Information Literacy.

Or

Q. 11. Why Information Literacy is crucial for Society.

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Elective Course Code: LIS 208 (A) - Dissertation/Project

Credits: 6

Max. Marks: 100

Objective:

The main objective of the dissertation/Project is to pursue a current problem in the field of Library & Information science in order to explore its facets thoroughly and come out with solutions or ways in a scientific way. This will prove useful in applying knowledge and experience acquired during the academic session to real, current and emerging problems in the field.

Candidates will work on Dissertation on a given topic under the supervision of a teacher.

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

**Elective Course Code: LIS 208 (B)-
Information Sources and Products in Science and Technology**

Credits: 6

Duration of Exam: 3 Hours

Max. Marks: 100

Semester Examination: 80 Marks

Internal Assessment: 20 Marks

Objectives:

- To understand the development of Natural Sciences and useful tools in accessing information.
- To familiarize national and international information systems pertaining to various Natural Sciences Programme.

Unit - I:

- 1.1 Mathematics: Scope, Growth and Development
- 1.2 Physics: Scope, Growth and Development
- 1.3 Chemistry: Scope, Growth and Development
- 1.4 Engineering and Technology: Scope, Growth and Development

Unit - II:

- 2.1 Primary Sources of Information and their Evaluation (Mathematics and Physics)
- 2.2 Primary Sources of Information and their Evaluation (Chemistry and Engineering)
- 2.3 Secondary Sources of Information and their Evaluation (Mathematics and Physics)
- 2.4 Secondary Sources of Information and their Evaluation (Chemistry and Engineering)

Unit-III:

- 3.1 Tertiary Sources of Information and their Evaluation (Mathematics and Physics)
- 3.2 Tertiary Sources of Information and their Evaluation (Chemistry and Engineering)
- 3.3 Web Information Sources: Online Journals, Books, ETDs, Databases, Proceedings, etc.
- 3.4 Search Engines, Portals and Gateways in Science and Technology

Unit - IV:

- 4.1 Science and Technology Information Organization at National Level: DST, NCSI, NISCAIR, INSA, DSIR, DRDO, BARC, IITs, etc
- 4.2 Science and Technology Information Organization at International Level: UNESCO, INIS, etc
- 4.3 Science and Technology Information System at National Level: NIC, NSTMIS, IGMORIS, etc
- 4.4 Science and Technology Information System at International Level

Unit - V:

- 5.1 Recent Development in Science and Technology
- 5.2 Information Analysis and Repackaging
- 5.3 Information Needs and Information Seeking Behavior of Science and Technology Professionals
- 5.4 Contributions Made by the Prominent Science and Technology Scientists

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

**Elective Course Code: LIS 208 (B)-
Information Sources and Products in Science and Technology**

INSTRUCTIONS FOR COURSE-SETTERS / EXAMINERS AND CANDIDATES

- i) *The theory Course will be of 80 marks only and 20 marks will be for Internal Assessment.*
- ii) *The syllabus is divided into five units.*
- iii) *There shall be 11 questions in all. The first question will be compulsory and shall have objective type 10 questions spread over the whole syllabus. The candidates are required to attempt all objective type questions carrying 10 marks i.e. 1 marks for each. Besides the Course shall contain 5 units. Each unit shall have two questions and the candidates will be given internal choice for attempting one question from each Unit. Each question will carry 14 marks.*

Recommended Readings

- Bhattacharya, G., & Gopinath, M. A. (Eds.). (1981). *Information Analysis and Consolidation: Principles, Procedures and Products*. In *DRTC Annual Seminar* No. 18. Bangalore: DRTC.
- Dampier, W. C. (1961). *History of Science and its Relations with Philosophy and Religion*. London: Cambridge University Press.
- Grogan, D. (1982). *Science and Technology: Introduction to the Literature* (4th ed.). London: Clive Bingley.
- Lord, C.R., & Mathews, J.A. (2000). *Guide to information sources in engineering*. Colorado: Libraries unlimited.
- Parker, C.C., & Turley, R.V. (2013). *Information sources in science and technology: A practical guide to traditional and online use*. (2nd ed.). London: Butterworth.
- Pour, M.K. (2017). *Encyclopedia of information science and technology*. (4th ed.). New York: Information science reference.
- Saracevic, T., & Wood, J. S. (1981). *Consolidation of Information: A Handbook of Evaluation, Restructuring and Repackaging of Scientific and Technical Information*. Paris: UNESCO.
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- Spangenburg, R., & Moser, D. K. (1994). *The History of Science in the 19th Century*. Hyderabad: University Press.
- Tucker, M.A., & Anderson, N.D. (2004). *Guide to information sources in mathematics and statistics*. USA: ABC-CLIO.
- UNESCO. (1975). *Study Report on the Role of Information Analysis Centres in a World Science Network*. Paris: UNESCO.

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

**Elective Course Code: LIS 208 (B)-
Information Sources and Products in Science and Technology**

**Master of Library & Information Science (M.Lib.I.Sc.)
2nd Semester Examination**

Sample paper

LIS 208 (B): Information Sources and Products in Science and Technology

Time: 3 hours

Maximum Marks: 80

Note: (i) Attempt question no. 1 containing objective type answers from Part-A which is compulsory.
(ii) Attempt four long answer type questions in all selecting one question from each unit from Part-B.

Part- A (Objective Type Questions)

Q.1. Attempt all the questions. Tick the right answer as per your opinion. All questions carry equal marks. **1 x 10= 10**

- (i) -Mathematical Reviewø is a:
A. Reference Service
B. Bibliographic Service
C. Indexing Service
D. Abstracting Service
- (ii) Which type of service is provided by -Chemical Abstractø?
A. Indexing Service
B. Abstracting Service
C. Reference Service
D. Bibliographic Service
- (iii) Periodical publication -Indian Science Abstractsø is brought out by:
A. DESIDOC
B. INSA
C. NISCAIR
D. NISSAT
- (iv) -Acta Crystallographicaø is an online journal of:
A. Chemistry
B. Physics
C. Mathematics
D. Engineering
- (v) What is the name of national information centre for science and technology in our country?
A. INSDOC
B. NISSAT
C. DESIDOC
D. NIC
- (vi) Which is an international storage and retrieval system for Nuclear Science and Technology?
A. INTERNET
B. AGRIS
C. INIS
D. NUCSSI
- (vii) Which organization promoted the concept of National Information System?
A. FID
B. UNESCO
C. IFLA
D. ICSU
- (viii) Indian Science Abstract is published by which documentation centre?
A. INSDOC
B. CSIR
C. SENDOC
D. DRTC
- (ix) UNISIST is a joint programme of:
A. UNESCO and FID
B. UNESCO and IFLA
C. UNESCO and IMF
D. UNESCO and ICSU
- (x) What is that component of a search engine which automatically retrieves documents from the web page?
A. Spider
B. Builder
C. Archiver
D. Searcher

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

**Elective Course Code: LIS 208 (B)-
Information Sources and Products in Science and Technology**

Part- B (Long Answer Type Questions)

Sample paper

Note: Attempt any one question from each unit. Each question carries equal marks.

14 x 5= 70

Unit-I

Q. 2. Write an essay on the major developments in the field of Physics?

Or

Q. 3. Describe the recent Trends in Chemistry?

Unit-II

Q. 4. Differentiate primary and secondary sources of information with the help of examples. Evaluate any two important primary sources in the field of science and technology?

Or

Q. 5. Define the secondary sources of information with examples. Evaluate any two source studied by you.

Unit-III

Q. 6. Highlight the importance of web information resources in R/D activities.

Or

Q. 7. Write a detailed note on- a) Search Engines, and b) Subject Gateways

Unit-IV

Q. 8. Discuss in detail the role of NISCAIR in promotion of Science and technology research in India.

Or

Q. 9 Discuss the role of INIS in promotion of nuclear research.

Unit-V

Q. 10. Define Information seeking behavior. Describe the various ISB models in brief.

Or

Q. 11. Discuss the recent developments in science and technology.

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

**Elective Course Code: LIS 208 (C)-
Information Sources and Products in Agriculture Sciences**

Credits: 6
Duration of Exam: 3 Hours

Max. Marks: 100
Semester Examination: 80 Marks
Internal Assessment: 20 Marks

Objectives:

- To understand the development of Agricultural Sciences and its various tools useful in accessing information.
- To familiarize national and international information systems pertaining to various Agricultural Sciences Programme.

Unit - I:

- 1.1 Horticulture: Scope, Growth and Development
- 1.2 Agronomy: Scope, Growth and Development
- 1.3 Soil Sciences: Scope, Growth and Development
- 1.4 Entomology: Scope, Growth and Development

Unit - II:

- 2.1 Primary Sources of Information and their Evaluation (Horticulture and Agronomy)
- 2.2 Primary Sources of Information and their Evaluation (Soil Science and Entomology)
- 2.3 Secondary Sources of Information and their Evaluation (Horticulture and Agronomy)
- 2.4 Secondary Sources of Information and their Evaluation (Soil Science and Entomology)

Unit - III:

- 3.1 Tertiary Sources of Information and their Evaluation ((Horticulture and Agronomy)
- 3.2 Tertiary Sources of Information and their Evaluation (Soil Science and Entomology)
- 3.3 Web Information Sources: Online Journals, Books, ETDs, Databases, Proceedings, etc.
- 3.4 Search Engines, Portals and Gateways in Agricultural Sciences

Unit - IV:

- 4.1 Agricultural Science Information Organization at National Level: ICAR, NAFRI
- 4.2 Agricultural Science Information Organization at International Level: JIRCAS, FAO
- 4.3 Agricultural Science Information System at National Level: ARIC, AGNIC
- 4.4 Agricultural Science Information System at International Level: AGRIS, WAICNET

Unit-V:

- 5.1 Recent Development in Agricultural Sciences
- 5.2 Information Analysis and Repackaging
- 5.3 Information Needs and Information Seeking Behavior of Science and Technology Professionals
- 5.4 Contributions Made by the Prominent Agricultural Scientists

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

**Elective Course No.: LIS 208 (C)-
Information Sources and Products in Agriculture Sciences**

INSTRUCTIONS FOR COURSE-SETTERS / EXAMINERS AND CANDIDATES

- i) *The theory Course will be of 80 marks only and 20 marks will be for Internal Assessment.*
- ii) *The syllabus is divided into five units.*
- iii) *There shall be 11 questions in all. The first question will be compulsory and shall have objective type 10 questions spread over the whole syllabus. The candidates are required to attempt all objective type questions carrying 10 marks i.e. 1 marks for each. Besides the Course shall contain 5 units. Each unit shall have two questions and the candidates will be given internal choice for attempting one question from each Unit. Each question will carry 14 marks.*

Recommended Readings

- Bhatt, V. S. (1989). *Information Resources in Agricultural Research in 40 Years of Agricultural Research in India*. New Delhi: ICAR.
- Choteylal, C. (1998). *Agricultural Libraries and Information Systems: A Handbook for Users*. New Delhi: R K Techno Science Agency.
- Daymath, Y., & Ruttan, V. W. (1979). *Agricultural Development: An International Perspective*. Baltimore: John Hopkins.
- Deshmukh, P. P. (1990). *Standardization of Library and Information Services with Special Reference to Scientific and Agricultural Libraries*. New Delhi: ABC.
- Deshmukh, P. P. (Ed) (1987). *Information Systems for Agricultural Sciences and Technology*. New Delhi: Metropolitan.
- Eswara Reddy, D. B. (1976). *ICAR: History and Growth*. New Delhi: Indian Council of Agricultural Research.
- FAO.(2018). *Status of implementation of e- Agriculture in central and eastern Europe and central Asia*. Rome: Food and Agriculture Organisation.
- Leila, P. M. (1976). *Agricultural Sciences Information Network*. In Allen Kent (Ed.), *Encyclopedia of Library and Information Science*. (V.19, p.p. 42-43). New York: M. Dekker.
- Li,C.,& Chen,Y.(2013). *Computer and computing technologies in agriculture VII*. Switzerland: Springer.
- Rajgopalan, T. S. (1974). *Agricultural Librarianship*. In Allen Kent (Ed.), *Encyclopedia of Library and Information Science* (V.11, p. 352). New York: M. Dekker.
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- Sharma, R. D. (1989). *The Agricultural Information Network for India*. New Delhi: Society for Information Science.
- Subbaiha, R. (1988). *Agricultural Librarianship in India: An Overview*. New Delhi: Metropolitan.
- UNESCO. (1975). *Study Report on the Role of Information Analysis Centres in a World Science Network*. Paris: UNESCO.
- Vijda, E. (Comp.) (1980). *UNISIST Guide to Standards for Information Handling*. Paris: UNESCO.
- Weisman, H. M. (1973). *The Importance of Information Analysis Centers in the Performance of Information Services*. Washington, D.C.: National Institute of Education.

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

**Elective Course Code: LIS 208 (D) –
Information Sources and Products in Social Sciences**

Credits: 6

Duration of Exam: 3 Hours

Max. Marks: 100

Semester Examination: 80 Marks

Internal Assessment: 20 Marks

Objectives:

- To understand the development of Social sciences and its various tools useful in accessing information.
- To familiarize national and international information systems pertaining to various Social Science Programme.

Unit - I:

- 1.1 History: Scope and Development
- 1.2 Political Science: Scope and Development
- 1.3 Economics: Scope and Development
- 1.4 Sociology: Scope and Development

Unit - II:

- 2.1 Primary Sources of Information and their Evaluation (History and Political Science)
- 2.2 Primary Sources of Information and their Evaluation (Economics and Sociology)
- 2.3 Secondary Sources of Information and their Evaluation (History and Political Science)
- 2.4 Secondary Sources of Information and their Evaluation (Economics and Sociology)

Unit - III:

- 3.1 Tertiary Sources of Information and their Evaluation (History and Political Science)
- 3.2 Tertiary Sources of Information and their Evaluation (Economics and Sociology)
- 3.3 Web Information Sources: Online Journals, Books, ETDs, Databases, Proceedings, etc
- 3.4 Search Engines, Portals and Gateways in Social Sciences

Unit - IV:

- 4.1 Social Science Information Organization at National Level: ICSSR, NASSDOC, TISS, ICHR, ICEA, etc.
- 4.2 Social Science Information Organization at International Level: UNESCO, ISSC, ICSSID, IPSA, ISA, etc.
- 4.3 Social Science Information System at National Level
- 4.4 Social Science Information System at International Level

Unit-V:

- 5.1 Recent Development in Social Sciences
- 5.2 Information Analysis and Repackaging
- 5.3 Information Needs and Information Seeking Behavior of Social Sciences Professionals
- 5.4 Contributions Made by the Prominent Social Scientists

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

**Elective Course Code: LIS 208 (D) –
Information Sources and Products in Social Sciences**

INSTRUCTIONS FOR COURSE-SETTERS / EXAMINERS AND CANDIDATES

- i) *The theory Course will be of 80 marks only and 20 marks will be for Internal Assessment.*
- ii) *The syllabus is divided into five units.*
- iii) *There shall be 11 questions in all. The first question will be compulsory and shall have objective type 10 questions spread over the whole syllabus. The candidates are required to attempt all objective type questions carrying 10 marks i.e. 1 marks for each. Besides the Course shall contain 5 units. Each unit shall have two questions and the candidates will be given internal choice for attempting one question from each Unit. Each question will carry 14 marks.*

Recommended Readings

- Fisher, D., Price, S., & Hanslock, T. (2018). *Information sources in the social sciences*. Berlin: Walter De Gruyter.
- Hoselitz, B. F. (1972). *Reader's Guide to the Social Sciences*. Glencoe: Free Press.
- Karadeli, A. S. (2017). *New trends in liberal and social science*. UK: Xlibris.
- Majumdar, R. C. (1970). *Historiography in Modern India*. Bombay: Asia Pub.
- Mann, Peter. H. (1968). *Methods of Sociological Enquiry*. New York: Schocken Books.
- Mckenzie, W. J. M. (Ed.) (1966). *Guide to Social Sciences*. London: Weidenfied and Nicolson.
- Saracevic, T., & Wood, J. S. (1981). *Consolidation of Information: A handbook of Evaluation, Restructuring and Repackaging of Scientific and Technical Information*. Paris: UNESCO.
- Seetharama, S. (1997). *Information Consolidation and Repackaging*. New Delhi: Ess- Ess Publications.
- UNESCO. (1975). *Study Report on the Role of Information Analysis Centres in a World Science Network*. Paris: UNESCO.
- Vijda, E. (Comp.). (1980). *UNISIST Guide to Standards for Information Handling*. Paris: UNESCO, 1980.
- Vyas, S. D. (1992). *Social Science information in India: Efforts Towards Bibliographic Control*. New Delhi: Concept.
- Walford, A. J. (1980). *Guide to Reference Books* (4th ed.). 3V. London: LA.
- Weisman, H. M. (1973). *The Importance of Information Analysis Centres in the Performance of Information Services*. Washington, D.C.: National Institute of Education.
- White, C. M., and Others. (1973). *Sources of Information in the Social Sciences* (2nd ed.). Tolowa, N.J: Bedminster press.

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**

Course Code.: LIS 209 -Library Internship

Credits: 3

Max. Marks: 50

Objective:

- To expose students in practical librarianship by deputing them to work in Dhanvantri Library, University of Jammu, Jammu for a period of one month.

The students will work under the direct supervision of a professional in Dhanvantri Library for one month (full time with no pay), immediately after the Fourth Semester Examination. During the internship, each student shall prepare a **report** of the work done by him/her in the library along with **attendance certificate** and submit the same for evaluation to the department within one week of the termination of the internship. It will be evaluated by the DAC. Based on internship training, Viva-Voce will be conducted by the DAC. **The Internship report and viva voce will be of 25 marks each.** Internship is must for the final result.

**Master of Library & Information Science - Second Semester
Examination to be held in May 2020, 2021, 2022**