

EXAMINATION IN THE FACULTY OF ATRS

Ph.D.(LISC) Course Work

**(As per ordinance No. 11 Item No. 11 (e) and (f)
Scheme and Course**

Paper	Nomenclature	Credits	Marks
Paper I:LISC-01	Research Methodology	3	100 (60+40 CCE)
Paper II:LISC-02	Review of Published Research in relevant field	3	100(60 written report+40 oral presentation)
Paper III:LISC-03	Computer Application	3	100 (60+40 CCE)
Paper IV:LISC-04	Advance Subject: LISC Education	3	100 (60+40 CCE)
Paper V:LISC-05	Comprehensive Viva-voce	4	100
TOTAL		16	500

Notes:

- 1) The candidate has to obtain a minimum of 55% of marks or its equivalent grade points in aggregate in the course work in order to be eligible to continue in the Ph.D. Programme.
- 2) If a student obtains 'F' or 'Ab' grade in any paper, he/she will be treated to have failed in that course. He/She has to reappear in the examination in the next semester.
- 3) If student further fails in the course, he/she shall not be given another chance and shall be out of the Ph. D. Programme.


Dr Anil Kumar Jain, Chairman

SCHOOL OF STUDIES IN LIBRARY AND INFORMATION SCIENCE

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Course Work for Ph.D.

2018-19 onwards

Paper - 1

RESEARCH METHODOLOGY

Paper – 1: LISC 01

Max Marks : 100(60+40 CCE) (03 Credits)

NOTE: 8 QUESTION TO BE SET AND 5 TO BE ATTEMPTED

UNIT-1: FUNDAMENTAL OF RESEARCH

- Research – Definition , need and types.
- Qualities of researcher.
- Research Methods- Historical, Descriptive, Survey, Experimental, Case study, Scientific, Spiral of Scientific Method.
- Application of Research Methods to LISc.

UNIT-2: RESEARCH DESIGN-

- Meaning , definition need and steps of Research Design.
- Identification and formulation of a problem.
- Review of literature and its importance.
- Hypothesis design.
- Data collection technique.
- Sampling and types of samples.
- Primary and Secondary Data and sources. Tabular and graphical representation of data.

UNIT-3:-RESEARCH WRITING AND DOCUMENTATION-

- Research Report writing
- Research paper writing.
- Documentation : Preface, Chapters, Appendices
Quotation- Citation Analysis, Bibliography, References and
Ending notes.

UNIT-4:STATISTICAL METHODS AND TOOLS, BIBLIOMETRICS AND WEBOMETRICS-

- Measures of Central tendency, mean – mode – medium
- Statistical Research methods
- Bibliometrics and Webometrics : Concept and definition
- Bibliometrics Factor
- Statistical tools In Research.

UNIT-5: RESEARCH ETHICS

- Research Ethics : definition , significance and issue.

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Paper - 2

REVIEW OF PUBLISHED RESEARCH LITERATURE IN LISC

Pe per – 2: LISC 02

Max Marks : 100(60 Written reports+40 Oral Presentation)) (03 Credits)

10 Latest New
REVIEW OF PUBLISHED RESEARCH PAPERS/02 BOOKS
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2018-19 onwards

Paper - 3

COMPUTER APPLICATION

P. per -3: LISC 03

Max Marks : 100(60+40 CCE) (03 Credits)

NOTE: 8 QUESTION TO BE SET AND 5 TO BE ATTEMPTED

UNIT-1: COMPUTER AND ICT

- Computer – Meaning , significance in modern technology
- Computer – structure, maintenance and uses.
- ICT – definition need, scope , components and objective
- Fundamental of telecommunication technology
- Network media , UTP, Optical Fiber, Ethernet, network interface card, routers, modems and requirement if wi-fi.
- ICT and impacts on various elements on libraries.
- Using of MS Word , for writing Dissertation/Thesis.
- Using computer for tabulation and graphical presentation of data.

UNIT-2: INTERNET AND ITS USE IN LIBRARY

- Requirement of Internet access- define.
- Internet – scope in library services.
- Web browsers, Web servers, Search Engines and Internet security.
- Web Publication.

UNIT-3: RELATION DATABASE MANAGEMENT SYSTEM (RDBMS)

- Introduction and concepts of RDBMS
- DBMS V/S RDBMS
- RDBMS software , proprietary and open sourced
- Interface for RDBMS using SQL and Development of database using my SQL

UNIT-4- DIGITAL LIBRARIES

- Genesis, definition, objective and scope
- Digitization – Concept and process
- Contents management
- Multimedia, hypertext and hypermedia
- Information repository and open source software for developing digital library (DSpace, greenstone, Reprint)

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UNIT-5-CURRENT TRENDS

- **Web 1.0 and Web 2.0 application in LISc**
- **Digital Divide**
- **Metadata**
- **Information searching models: Boolean, Probabilistic, Cognitive model .**
- **Web 3.0 (Semantic Web)**
- **Consortia- UGC INFINET, INDEST, ICSSR, HM's etc**
- **Portals , Vortals and gateways**
- **Magnetic security system, close circuit camera, RFID**
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2018-19 onwards

Paper – 4

(ADVANCE COURSE)

LIBRARY AND INFORMATION SCIENCE EDUCATION

P. per – 4: LISC 04

Max Marks : 100(60+40 CCE) (03 Credits)

NOTE: 8 QUESTION TO BE SET AND 5 TO BE ATTEMPTED

Unit-1-LIS EDUCATION

- **Sociology of LISc Education.**
- **History of LISc education in India.**
- **Contribution of S>R>Ranganathan to LISc education**
- **Trends in LISc Education – GLOBAL AND NATIONAL**

! NIT-2-COURSES IN LISc

- **Level of courses in Education for librarianship and their objectives.**
- **Curriculum design: need and methodology.**
- **Role of UGC in LISc Education.**
- **UGC model Syllabus for BLISc,MLISc,M.Phil and Ph.D. and role of UGC in curriculum development.**
- **Knowledge commission.**

! NIT-3-LIScTEACHING

- **Teaching techniques in LISc Education.**
- **Various Methods of evaluation of students performance**
- **UGC NET exam for Lectureship, Librarian and JRF**
- **Online teaching**
- **LISc education through distance education : Its merits and demerits.**

! NIT-4-MODERN TRENDS IN LISc EDUCATION

- **Development of research programme in LISc**
- **Modern trends and issues**
- **Seminar, Dissertation and viva-voce in LISc education: Objective and methodology**
- **Lifelong learning**

UNIT-5-FACULTY DEVELOPMENT

- **Manpower Planning and its impact on LISc education programme**
- **Faculty development and continuing education for faculty**
- **Communication skills in LISc Education**
- **Challenges and future of LISc Education**
- **Accreditation of LISc Course.**

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Paper - 5

COMPREHENSIVE VIVA – VOCE

Paper – 5: LISC 05

Max Marks : 100 (03 Credits)

04 Assn

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