SYLLABUS

M.PHIL. IN LIBRARY & INFORMATION SCIENCE

Paper-I

SUBJECT: RESEARCH METHODS & TECHNIQUES (F.M.-100)

UNIT-I: FOUNDATION OF RESEARCH

Definition, Need & Objectives Research

Typology of Research: Basic Research, applied Research; Quantitative Research, Qualitative Research

Methods of Research: Historical, Survey, Experimental

UNIT-II: PLANNING OF RESEARCH

Selection of a Research Problem

Hypothesis Definition, Types, Sources and Functions

Steps in Research Design/Plan

Procedure in Literature Search

UNIT-III: SAMPLING TECHNIQUES

Theoretical basis of Sampling

Methods of Sampling Techniques

Sampling and Non Sampling Errors

UNIT-IV: RESEARCH RECHNIQUES

Data Collection Methods: observation; Questionnaire; Interview

Data representation: Tables; Charts; Graphs

Data Interpretation: Frequency Studies; Measures of Central Tendency

UNIT-V: REPORT WRITING

Steps in Writing a Synopsis

Steps in Writing an Abstract

Use of Style Manual: APA/MLA/Chicago

LEARNING OUTCOMES:

After completion of this paper, students shall be able to :

➢ Develop the research temperament

➢ Know the sampling techniques, Write research paper writing style

Paper-II
SUBJECT: INFORMATION TECHNOLOGY & NETWORKING (F.M.-100)

UNIT-I: BASICS OF INFORMATION TECHNOLOGY

1. Definition, Need, Scope and Objectives
2. Components of Information technology
3. Application of Information Technology in LIS

UNIT-II: COMMUNICATION TECHNOLOGY

1. Fundamentals of Telecommunication Technology

2. Computer Networks, Components and Topologies
3. Networking Media & Devices

UNIT-III: LIBRARY AND INFORMATION NETWORKS
1. Resources Sharing & Networking
2. Library and Information Networks in India
3. Library and Information Networks at International Level

UNIT-IV: INTERNET BASICS FEATURES AND TOOLS
1. Internet, Components and Internet based services in LIS
2. Internet Connectivity, Protocols and ISP
3. Search Engines & Web browsers

UNIT-V: WEB TECHNOLOGIES IN LIBRARIES
1. Implication of WWW on Library Websites
2. Web 2.0 and Web 3.0: Features and Functions
3. Web Directories, Subject Gateways, Library Portals etc.

LEARNING OUTCOMES:
After completion of this paper, students shall be able to :
- ➢ Know the various library networks
- ➢ Various web technologies used in libraries

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2nd Semester
Paper-III

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SUBJECT: ADVANCES IN LIBRARY & INFORMATION SCIENCE & SERVICES (F.M.-100)
UNIT-I: CHANGEMANAGEMENT
i. Change management, Definition, Principles, Benefits & Significance
ii. Library Security Issues
iii. RFID technology for Libraries

UNIT-II: CLOUD COMPUTING AND VIRTUALIZATION TECHNOLOGIES IN LIBRARIES
i. Cloud Computing, Concept, Definitions and Characteristics
ii. Cloud Computing and Libraries: Issues and Challenges
iii. Planning and Implication of Cloud Computing and Virtualization technologies in Libraries

UNIT-III: DIGITAL PRESERAVTIONS
i. Digital Information: What & Why?
ii. Characteristics' of Digital Information
iii. Digital Preservation: Definition, Issues and Challenges

UNIT-IV: ADVANCES IN LIBRARY SERVICES
i. Blogging in Libraries, Collaborative learning and Libraries, Embedded Librarianship
ii. Outsourcing of Library Services, Semantic Web & Libraries
iii. Social Networking technologies, Virtual Reference Services, Wearable Technologies

UNIT-V: TECHNOLOGY AND PROFESSIONAL IDENTITY OF LIBRARIAN TECHNOLOGICAL CHANGE
i. Technological Change in Libraries and its impact on the Professional Identity of Libraries

ii. Use of E-resources in Libraries and Competencies of Libraries
iii. Technology and Distribution: Information Literacy in India

LEARNING OUTCOMES:
After completion of this paper, students shall be able to :
  - ➢ Know the modern trends in librarianship
  - ➢ Know the advancement in libraries and information centres

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Paper-IV
PROJECT & VIVA VOCE (F.M.-200)

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LEARNING OUTCOMES:
After completion of this paper, students shall be able to :
  - ➢ Improve the research approach
  - ➢ Know the library management techniques in current time.
  - ➢ Know the information seeking approach of users