

# Department of Library and Information Science



# 2019

## Revised Syllabus for PhD Course Work



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## **REVISED SYLLABUS FOR PH.D. COURSE WORK**

### **Syllabus for Ph.D. Course Work**

#### **Programme Structure**

<i>Semester I</i>	<i>Name of Paper</i>	<i>Internal Assessment (Assignments, Attendance &amp; Seminar)</i>	<i>Theory</i>	<i>Max Marks</i>	<i>Duration</i>
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#### **First Semester (Part I)**

Paper-I	RESEARCH METHODOLOGY IN LIBRARY AND INFORMATION SCIENCE	25	75	100	3 Hours
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Paper-II	PLANNING AND MANAGEMENT OF LIBRARIES AND INFORMATION CENTERS	25	75	100	3 Hours
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#### **III Opt any one of the following:**

III (a)	UNIVERSITY AND COLLEGE LIBRARY SYSTEM	25	75	100	3 Hours
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III (d)	INFORMATION PROCESSING AND ORGANIZATION	25	75	100	3 Hours
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III (g)	LIBRARY AND INFORMATION SCIENCE EDUCATION	25	75	100	3 Hours
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III (h)	APPLICATION OF TOOLS AND TECHNOLOGIES IN LIBRARY AND INFORMATION SCIENCE	25	75	100	3 Hours
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**Total 300**

**Marks**

## **Courses of Study for Ph.D. Course Work**

### **COURSE-I: RESEARCH METHODOLOGY IN LIBRARY AND INFORMATION SCIENCE**

#### **Unit-1: Introduction to Research Methodology**

- Research Problem and Research Design
- Formulation of Hypotheses

#### **Unit-2: Research Methods in LIS**

- Types of Research Methods: Quantitative and Qualitative
- Research Techniques and Tools: Questionnaire, Interview, Observation, Schedule, Check-list, Library Records and Reports.
- Metric Studies in LIS

#### **Unit-3: Data Analysis and Interpretation**

- Data Analysis: Statistical Methods
- Data Analysis: Computer Processing
- Interpretation and Presentation of Results

#### **Unit-4: Report Writing**

- Research Report Writing
- Style Manuals
- IPR and Plagiarism

### **COURSE-II: PLANNING AND MANAGEMENT OF LIBRARIES AND INFORMATION CENTERS**

#### **Unit-1: Library and Information Planning**

- Type of Planning
- Plan Proposal
- Implementation and Monitoring of Plan
- Digital Library Planning
- Digital Information Planning

#### **Unit-2: Management Philosophy**

- Social Responsibility and Ethics
- Scientific Management Theory
- Classical Organisation Theory
- Behavioral Theory
- Recent Developments: System Approach, Contingency Approach and Operations Research

#### **Unit-3: Governance and Information Management**

- Organisation Structure
- Governance of Library and Information Centers: Power and Distribution of Authority

- Information Governance
- Knowledge Management

#### **Unit-4: Human Resource Management**

- Job Requirement and Recruitment Process
- Staff Manual
- Human Relations
- Performance Appraisal
- Staff Development

#### **Unit-5: Financial Management**

- Types of Budgeting
- Sources of Finance
- Plan Budget and Non-Plan Budget
- Budget Statistics: Balance Sheet
- Budget Re-Appropriation

#### **Unit-6: System and Evaluation**

- System Study Techniques: PERT and CPM
- Evaluation of Library Procedures and Services: Time and Motion Study, Feedback Study
- Research Output Analysis
- SWOT Analysis

### **COURSE-III (a): UNIVERSITY AND COLLEGE LIBRARY SYSTEM**

#### **Unit-1: University Libraries and Their Development**

- History of University and College Libraries.
- Higher Education and its impact on the development of University and College Libraries.
- Higher Education System: Distance and Open Universities and their impact on the Libraries.
- Study of University and College libraries of Selected Developed and Developing countries.

#### **Unit-2: Library Governance and Organisation**

- Library Governance
- Library Committee, Constitution, Powers and Functions
- Organisational pattern: Library System, Structure and Services

#### **Unit-3: Human Resource, Financial and Collection Management**

- Human Resource Management in libraries
- Financial Management in libraries Cost-Benefit and Analysis studies
- Collection Development and Access Management in libraries Use and Evaluation studies of information resources

#### **Unit 4: Networks, Consortia and ICT Applications**

- Library Networks and Inlibnet
- Library Consortia and E-Shodh -Sindhu

- Library Services in Print and Electronic Environment: Their evaluation and effectiveness
- Information Communication Technology application in libraries
- Planning and Future Development Plans

## **COURSE-III (d): INFORMATION PROCESSING AND ORGANIZATION**

### **Unit 1: Library classification**

- Fundamental of Classification.
- Recent Development in Electronic
- Planning in classification

### **Unit 2: Subject Indexing**

- Landmarks in Indexing
- Pre/Post Indexing System
- Computerized Indexing
- Bibliographic Display/ e-citation Tool

### **Unit 3: Controlled Vocabulary**

- Thesaurus and its List of Subject Headings
- Authority List

### **Unit-4: Advance Knowledge Organization**

- Data Models and Ontologies
- Taxonomies
- FAST (Faceted Application of Subject Terminology)

## **COURSE III(g): LIBRARY AND INFORMATION SCIENCE EDUCATION**

### **UNIT-1: Development of Library and Information Science Education**

- Library and information science education: Sociological perspective
- Growth and development of library and information science education
- Changing dimensions in Libraries and its implications on library and information science education

### **UNIT-2: Manpower and Development**

- Categories and levels of library and information professional
- Qualifications, skills and competencies requirements
- Continuing education programme for library and information professionals

### **UNIT-3: Foundations of Library and Information Science Education**

- Levels of courses in education for librarianship
- Library and information science curriculum
- Trend and issues in library and information science research

### **UNIT-4: Methods of Teaching and Evaluation of Student Performance**

- Teaching and learning Methods
- Assessment and evaluation of student performance
- Faculty development

## **Course III (h): APPLICATION OF TOOLS AND TECHNOLOGIES IN LIBRARY AND INFORMATION SCIENCE**

### **Unit-1: Data Analysis Tools**

- Spreadsheet
- SPSS
- Citation Analysis Tools and Citation Data Bases

### **Unit-2: Digital Library Software**

- Integrated Library Management Software
- Digital Library Software

### **Unit-3: Online Data Search**

- Advance Search Techniques: Federated Search Systems
- Online Data Systems: Subject Gateways, Institutional Repository, Web Directory etc.

### **Unit-4: Web Based Statistical Tools**

- Statsoft and easy calculations
- Online Tutorials