

**DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE**  
**FACULTY OF SOCIAL SCIENCES**  
**A.M.U., Aligarh.**

**Syllabus for Ph.D. Admission Test 2020-21**

**Section- B**

Information: Characteristics, nature, value and use. Information Science, Information Society Information as Resource/ Commodity  
Information Transfer Cycle-Generation, Collection, Storage and Dissemination  
Role of information in Planning, Management, Socio-economic Development, Technology transfer  
Communication- Channels, barriers  
Knowledge Management  
Intellectual Property Rights – Concept, Copyright, Censorship-Print and Nonprint Media  
Library and Information Policy at the National Level

Laws of Library Science  
Inter library cooperation and resources sharing, e-journal consortia  
Library movement and Library Legislation in India  
Concept, nature and characteristics of different types of libraries: Academic, Public, Special and National  
Types of users, User studies, User education  
Library Extension Services  
Library and Information Science Education in India  
Library and Information profession, Professional ethics

System Study – analysis, evaluation and design  
Human Resources Management – Manpower Planning, Job Analysis, Job Description, Selection, Recruitment, Motivation, Training and Development,  
Staff Manual, leadership and performance Evaluation  
Financial management – Resource Generation, Types of Budgeting, Cost and Cost-Benefit analysis  
PERT, CPM  
Performance Evaluation of Libraries/Information Centres and Services  
Total Quality Management (TQM)  
Library Buildings and Equipments

Sources of Information – Primary, Secondary and Tertiary Documentary and Non-documentary  
Reference and Information Services, Referral Service  
Bibliographic Service, Indexing and Abstracting Service  
CAS, SDI, digest Service, Trend Report, Online Services.  
Repackaging and Consolidation: concept and procedures

Indexing – Pre-coordinate, Post-coordinate, Citation indexing  
Indexing languages  
Vocabulary Control – Thesaurus, Lists of Subject Headings  
Trends in Automatic Indexing  
Online Searching of Databases- Search Strategies, Boolean Operators

Information Technology – Components  
Impact of IT in Society  
Networking – Concepts,  
Library Networks – ERNET, NICNET, DELNET, JANET, BLAISE, OCLC, INFLIBNET  
Multimedia: Elements and its application to libraries  
Open Source Software: concept and features. Library Automation  
Digital libraries: concept Software and Hardware for digital libraries.  
Institutional Repositories, Digital Archives  
Library Automation- Areas of automation, planning, hardware and Software selection, OPAC  
Internet and Intranet basic features and applications  
INTERNET – Components, Services, Browsing – Web Browsers, Search Engines  
Features of Integrated Library Management Software Packages  
Internet Security  
Data ware housing, Data mining, Metadata, Digital Object Identifier (DOI)  
Tele-conferencing/Video-conferencing, Subject gateways  
Electronic Publishing: Electronic bulletins, E-journals, Institutional Repositories, Portals and Blogs.

Types of Research – Basic, Applied, Interdisciplinary, Multidisciplinary  
Research Design: concepts and types  
Methods of Research: Historical, Scientific, Descriptive, Case Study, Survey, Comparative  
Experimental, Delphi:  
Hypotheses, Data collection, Sampling techniques  
Research techniques and tools: Questionnaire, Interview, Observation.  
Statistical Methods, Data Analysis & Interpretation  
Report Writing  
Methods and Research evaluation  
Bibliometrics, Webometrics, Scientometrics & Citation analysis