

FACULTY OF SOCIAL SCIENCES
DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
SYLLABUS FOR ADMISSION TEST TO PH.D. PROGRAMME 2018-19

PAPER-II

Unit-I

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

Unit-II

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

Unit-III

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

Unit – IV

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

Unit – V

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

Unit-VI

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.

Unit – VII

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

Sushama
28/9/18
Chairperson
D/o Library & Information Science
A.M.U., Aligarh
विभागाध्यक्ष
पुस्तकालय एवं सूचना विज्ञान विभाग
अ०मु०वि०, अलीगढ़