

LIST OF SUBJECTS

Code	Name of the Subject	Credits
LS301	Research Methodology, Tools and Techniques	4:0:0
LS302	Library and Information Management	4:0:0
LS303	Library and Users	4:0:0
LS304	Digital Library	4:0:0
LS305	Bibliometrics	4:0:0

LS301 RESEARCH METHODOLOGY, TOOLS AND TECHNIQUES

Credit : 4:0:0

Unit – I

Concept and Meaning of Research– Nature of research in Library Science-Various stages of Library Research.

Unit – II

Statistical Tools – Scales of measurements – Measures of Central tendency – Measures of dispersion – Probability – Scatter diagram – Coefficient – Correlation – Regression – Non Parametric tests – Chi-square Test – t Test – analysis of Variance – one way analysis.

Unit – III

Research Design – Types of research – Methods of Research – Research Problems.

Unit – IV

Data Collection – formulation of hypotheses – Testing of hypotheses -Sampling methods – Sampling techniques-.

Unit – V

Role of Computer in Research- The Configuration and Computer Technology- The Computer System- The Binary Number System- Computer Application- Computer and Library Information Research.

Books

1. Research Methodology, methods and Techniques, Ed. 2, C.R. Kothari, Wishwa Prakashan, New Delhi.
2. Scientific Social Surveys and Research, Pauline V. Young.
3. Applied Statistics for Library Science Research, vol. 2, R.L. Sehgal, Ess Ess Publications, New Delhi.
4. Statistical Techniques for Librarians, R.L. Sehgal, Ess Ess Publications, New Delhi.
5. Quantitative Methods for Library and Information Science. I.K.RavichandRao, wiley eastern Ltd.

LS302 LIBRARY AND INFORMATION MANAGEMENT

Credit : 4:0:0

Unit – I

Organizational Structure- Theoretical frame work – National and International Systems Planning – MBO.

Unit – II

Collection Development of Library Documents- Public Libraries- Academic Libraries- Special Libraries- Criteria for Collection Development- Policy-Evaluation

Unit – III

Finance – Budgeting- Types of Budgeting- Model Budgets for all types of Libraries- Non Budgetary method of Control- Network analysis PERT-CPM

Unit – IV

HRM– Aims- Functions – Job Analysis- Job Evaluating Issues and Concerns- Job position, Salary and incentives – Motivational elements in human progress – work culture.

Unit – V

MIS- Support System- Decision Oriented System– TQM- Quality Audit- Technology Management- Performance Evaluation of Information Systems –Consortia Initiatives – Management innovations – Strategic Planning –Resource Sharing.

Books

1. Stoner, Management.
2. S.R. Ranganathan, Library Administration.
3. S.E. Evans, Management Techniques for Librarian.
4. R. L. Mittal Library Administration, Theory and Practice.
5. Norogh Jones and Peter Piordon, Staff Management in Library and Information Work.
6. Richardson Dougherty and P.H. Heninritz, Scientific Management of Library operation.
7. Roshan Lal Raina, Library Management Trends and Opportunities.
8. P.S.G. Kumar, Management of library and information Centres.
9. S.D. Vyas, management of Technical Source in Libraries.
10. Mohinder Singh, Library and Information Management.
11. P.K. Mahapatre, Knowledge management in Libraries.
12. J.K. Khanna, Handbook of Library Information Systems and Services.

LS303 LIBRARY AND USERS

Credit : 4:0:0

Unit – I

Information Needs- Information seeking behavior- Concepts- Significance major user studies conducted in India and Abroad.

Unit – II

Need for user education- Definition- Factors of user education- History of User education- User behavior in Academic Libraries- Behavioral research in librarianship.

Unit – III

Individual need and system needs- Research and Information needs- Essentials of user studies taxonomy of information needs and human needs- factors affecting information needs- classification of information needs- approaches to information needs

Unit – IV

User education- Methodology of user study- Impact of information on the quality- Information needs and information seeking behavior of professionals, scientists, business- Evaluation of user studies

Unit – V

User education for their current information– Documentary resources- Non Documentary resources- Electronic resources

Books

1. J. R. John Luhans, Educating the Library User New York, R.R Bowker Company.
2. Bikika Tariang Laloo, Information needs, Information Seeking Behavior and Users, Ess Ess Publications.
3. P.S.G Kumar, Library and users Theory and Practices.
4. Beimeff and Smith Gek, The College Library, London.

LS304 DIGITAL LIBRARY

Credit : 4:0:0

Unit – I

Digital Library– definition– characteristics– development- issues involved- Digital Information Users- Digital Libraries and Resource Sharing- Digital Technology- Digital Discovery: Strategies and Solutions- knowledge Discovery.

Unit – II

Digital Resource- E-books, E-journals- Online Bookshops- Archiving Technologies- Web Archiving- Digital Objects- Digital Preservation- Digital Repositories etc.,- Importance of Digital Collection Development- Intellectual Property rights .

Unit – III

Resource Sharing Innovations- Sharing Networks Resources- Sharing Standards - Cooperation Globally- Types of Sources-Database structure.

Unit – IV

Online Information Retrieval and Storage of Information– Book- CD RoM- Application of Software- Design of Library Packages– Winisis– Soul- Commercial Software Packages.

Unit – V

Role of Library- Web Portal- Online Information Services- Web OPAC- Open source Software- Green Stone- D Space– KoHa- E Print , ICT, RFID Technology, Knowledge Management.

Books

1. Suraj V.K., Multimedia Information Collection in Digital Libraries, Isha Books, Delhi, 2005.
2. SALIS 2006: National Conference on Initiatives in Libraries and Information Centers.
3. NACLIN 2008: Digital Futures: Strategies for Developing World Class Libraries.
4. William Y. Arms, Digital Libraries, Ane Books, New Delhi, 2005

LS305 BIBLIOMETRICS

Credit : 4:0:0

Unit – I

Origin and development of Bibliometrical studies –Nature and scope of Bibliometrics – Historical development sources of Bibliometric data.

Unit – II

Identifying and defining literature – study of the structure of documents – Authorship studies, Form of documents – types of communication in primary literature.

Unit – III

Describing literature – Document relationship studies – Citation analysis, Co-citation and bibliographic coupling, mapping the structure in science.

Unit – IV

Size and growth of literature –relationship, associations and groupings – use of documents for evaluation – Assessment of authors, documents, countries and Institutions.

Unit – V

Testing the effectiveness of abstracting and Indexing services citation index – Their structure, use and methods of compilation – Advancement and research in bibliometrics.

Books

1. Ashwini Tiwari, Bibliometrics, Informetrics and Scientometrics: Opening New Vistas of Information Science, RBSA publishers, Jaipur, 2006.
2. Devarajan.G, Bibliometric Studies, Ess ess Publications, 1997
3. Gayatri mahapatra, Bibliometric studies, crest publishing House, New Delhi , 2000