FACULTY OF ARTS

SYLLABUS

MASTER OF LIBRARY SCIENCE

JODHPUR NATIONAL UNIVERSITY

JODHPUR

Paper I   Information, Communication & Society
Paper II   Management of Libraries & Information Centres-A
Paper III   Information Technology: A
Paper IV   Library and Users
Paper V   Library & Information Science Education
Paper VI   Statistical Techniques of Research & Bibliometrics
Paper VII   Bibliographic Control & Information Systems
Paper VIII   Management of Libraries & Information Centres-B
Paper IX   Industry Based Environmental Studies

Paper I   Information, Communication & Society

Unit 1
Resource sharing
concept, history, barriers, requirements, efforts,
examples, national, international

Unit 2
 National library system
– definition, functions, UK, USA, India

Unit 3 Information and communication
- information – characteristics, value, use
- difference between data, information and knowledge
- trends in scientific communication

Paper II   Management of Libraries & Information Centres-A

Unit 1
 Management
- History, concept, and scope
- styles, approaches
- schools of thoughts
- Qualities of a good manager
- Functions
- Principles of Urquhart

Unit 2
 Planning
- concept, need, types, principles, steps
- policies and procedures, MBO
- Building and space management in libraries and
information centers
- Risk management, contingency management
- Planning related infrastructure, library standards

Unit 3
 Human resource management
- Organisational structure
- Delegation, communication and participation
- Job description and analysis – job evaluation

- Inter-personal relations
- Recruitment procedures
- Motivation – group dynamics
- Training and development
- Disciplines and grievances
- Performance appraisal

Paper III   Information Technology

Unit 1
Telecommunication technology
- components
- Transmission media- bounded /unbounded
- Transmission mode- simplex, half-duplex

Unit 2
Networks
- media- optical fiber, Ethernet
- network interface card, hubs, routers
- types - LAN, WAN, MAN
- topologies - Bus, star, ring
- OSI model

Unit 3
 Internet
- Concept, components
- Connectivity- dial up, leased lines, ISDN,
- Protocols, FTP, HTTP
- Browsers, search engines
- network based information services
- Internet security

Paper IV   Library and Users

Unit 1
Techniques of library and information centers survey
- proforma methods
- interview method
- records analysis method

Unit 2
Information users and their information needs
- categories of information users
- information needs- definition and models
- information seeking behaviour

Unit 3
 User studies
- methods, techniques of user studies
- evaluation of user studies

Paper V   Library & Information Science Education

Unit 1
Economics of information, Information management,
Knowledge management

Unit 2
 Intellectual Property Rights and Right to Information Act

Unit 3
Professionalism
- Attributes of a profession
- Librarianship as a profession
- Professional ethics

Paper VI   Statistical Techniques of Research & Bibliometrics

Unit 1
Research techniques and tools
- Questionnaire, Schedule
- Interview
- Observation
- Scales and check lists
- Library records and reports
- Sampling techniques

Unit 2

Data analysis and interpretation
- descriptive statistics – measure of central tendency
: mean, mode and median
- tabulation and generalization
- measure of dispersion, variance and covariance
- standard deviation
- graphical presentation of data- bar chart, pie chart, histograms
- inferential statistics, Z-T test – correlation
- Regression – linear and non-linear
- Chi Square test, Statistical packages – SPSS

Unit 3

Bibliometrics, scientometrics,and informetrics
- bibliometrics laws – Bradford, Zipf, Lotka
- bibliographic coupling and obsolescence
- citation analysis,impact factor
- webometrics
- infometrics, content analysis
- scientometrics – concept, Sociometry- concept

Paper VII   Bibliographic Control & Information Systems

Unit 1
Bibliographic control
- concept, need, historical development
- UBC, UAP

Unit 2
Bibliographic organisation in India
- National government efforts
- NISCAIR, NASSDOC and other agencies
- Commercial sectors

Unit 3
UNISIST - rational, objectives, achievements, India's
Participation

Paper VIII Management Applications to Libraries & Information Centres

Unit 1
System analysis and design
- library as a system
- project management – PERT/CPM
- design tables
- performance evaluation standards, MIS
- performance measurement, reengineering, time
and motion study
- SWOT analysis

Unit 2
Total Quality Management
- definition, elements
- quality audit, LIS related standards
- technology management

Unit 3 Management of change
- concept of change
- changes in procedures, methods, tools and techniques
- problems in incorporating change
- techniques of managing change

Paper IX   Industry Based Environmental Studies

UNIT – 1
Environment – Definition – Scope – Structure and function of eco system's procedures, consumers and decomposers – energy flow in the ecosystem – ecological succession – food chain, food web and ecological pyramids - concepts of sustainable development.

UNIT – 2
Natural resources: Renewable – air, water, soil, land and wildlife resources. Non- renewable – mineral, coal, oil and gas. Environmental problems related to the extraction and use of natural resources.

UNIT – 3
Biodiversity – Definition – values – consumption use, productive social, ethical, aesthetic and option values threats to biodiversity – Hotspots of bio diversity – conservation of bio-diversity: In-situ Ex-situ. Bio-wealth – national and global level.

UNIT – 4
Environmental pollution : Definition – causes, effects and mitigation measures – Air pollution, Water pollution, Soil pollution, Noise pollution, Thermal pollution – Nuclear hazards – solid wastes acid rain – climate change and global warming environmental laws and regulations in India – Earth summit.

UNIT – 5
Population and environment – Population explosion – Environment and human health – HIV / AIDS – Women and child welfare – Resettlement and Rehabilitation of people, role of information technology in environmental health – Environmental awareness.