

*DEPARTMENT OF LIBRARY
&
INFORMATION SCIENCE*



MASTER OF LIBRARY AND INFORMATION SCIENCE

(M. Lib. I.Sc.)

ORDINANCES

AND

SYLLABUS

2013-14

**FACULTY OF HUMANITY
MAHATMA GANDHI KASHI VIDYAPITH
VARANASI**

MASTER OF LIBRARY AND INFORMATION SCIENCE
ORDINANCES

1. The Academic programme (Course of study) leading to the degree of Master of Library and Information Science (M.Lib.I.Sc.) shall be conducted in the Department of Library and Information Science.
2. The course of study shall extend over a period of one academic year in two semesters.
3. The degree of Master of Library and Information Science shall be conferred on candidates, who have pursued a regular and full time course of study in the Department of Library and Information Science of the University and have passed the prescribed examinations.
4. Admission to the course of study for the Master of Library and Information Science (M.Lib.I.Sc.) shall be open to candidates who have obtained the Bachelor of Library and Information Science (B.Lib.I.Sc.) degree of this University or of a recognized University at least in Second Division.
5. The Admission to Master of Library and Information Science shall ordinarily be limited to 20 candidates.
6. Candidates selected for admission on the basis of admission test and/or merit shall be admitted to the course for the Degree of Master of Library and Information Science.
7. The examinations shall consist of eight theory papers each of three hours duration and each papers sessional assessment Will be based on 1. Assignments 2. Test 3. Presentation.

COURSE CONTENTS

Paper No.	SEMESTER-I Paper Title	Sessional Marks	Exam. Marks	Total
I	Knowledge Information and Communication	30	70	100
II	Information users & their needs	30	70	100
III	Information Consolidation and Repackaging	30	70	100
IV	Information Systems and Organizations	30	70	100
	Total			400
First semester total Marks				400
Paper No.	SEMESTER-II Paper Title			
V	Information Retrieval	30	70	100
VI	Research Methods and Statistical Techniques	30	70	100
VII	Information Technology : Applications (Theory)	30	70	100
VIII	I. Information Technology :Applications (Practice) II. Viva-Voce	30	50 20	100
	Total			400
Second semester total Marks				400
Grand Total Marks (First & Second Semester) 800				

8. Candidates shall be admitted to the examination, provided they attend at least 75% of the theory and practical classes and produce a certificate to that effect from the Head of the Department.
9. Candidates shall be declared to have passed and eligible for the award of the Degree of Master of Library and Information Science,

provided they secure passing grade of marks at the university examinations, as stated below.

In each paper (Theory And assignment marks combined together) a minimum of 40% of the maximum marks is required for passing the examination in third division; and in aggregate 48% of the total marks of all the papers for securing second division; and the 60% of the total marks of all the papers for securing first division and 75% and over in each paper for securing distinction.

10. If a candidate is failed in a single paper and his /her aggregate is 40% will gate back to reappear in the examination. Other rules will be applicable according to university examination system.
11. The Practical examination in semester–II, **paper-VI Information Technology Application (Practice)** will comprise of practical (50 marks) + viva-voce (20 marks) which will be jointly conducted by External and Internal examiner.
12. Candidates who are declared failed in the examination may be allowed to appear for all the papers at the subsequent examination without further attendance at the classes. In the case of these candidates the marks secured by them for sessional work/internal assessment during the year of their studies will continue to be same and added to the marks secured by the candidates at the subsequent examinations.
13. Candidates who are declared to have failed shall be allowed to appear, without putting in further attendance at the classes, for only to continuous subsequent examinations.

DETAILED SYLLABUS FOR
(M.Lib.I.Sc.)
Semester-I

Paper-I Knowledge, Information and Communication

Unit-1 : Knowledge-

Data (Definition, Properties, Types, Scope and Conceptual difference between data, information and knowledge), Growth of Knowledge (Reason and Implication) and Factors affecting knowledge, Source of Knowledge, Personal and Public Knowledge, Characteristics of development of universe of subjects, Structure and attributes of universe of subjects, Modes of formation of subjects, Universe of subjects as mapped in DDC, UDC and CC.

Unit-2 : Knowledge Management

Definition and concept of knowledge management, Principles of knowledge management, Tools and techniques of knowledge management, Knowledge Management framework.

Unit-3 : Information and Society.

Type, nature, characteristics, properties, value and uses of information, Information industry, Information diffusion process, Economics of Information, Right to Information (Access to Information, Right to Information : Indian scenario, Indian Copyright Act and Intellectual Property Right, Role being played by National Archives of Indian Library), Information Policy (Meaning, need, guidelines and issues), Information Science (Definition, facets and disciplines related with), Information Society (Definition, Impact on libraries and various sectors, structure and process, Challenges of Information society).

Unit-4 : Communication :

Definition, Elements and Process of Communication, Theories of Communication, Modes of Communication, Channels and Barriers of Communication.

Paper-II Information Users & their needs

Information Users & Needs

Unit 1 : Information Users, Identification of Users, Concept of Need, Want, Demand & Requirement, Users Categories: Planners, Policy Makers, Managers, R&D Personnel, People at Grass Root, Information Seeking Behaviour of Different User Groups

Unit 2 : Uses of Information

Uses of Information in Management activities, Uses of Information in Decision Making, Uses of Information in R & D, Role of Information in Raising the Standards & Quality of Life, Technology Innovation & Technology Transfer

Unit 3 : User Studies

Scope and Content of User Studies, Studies by Types of Libraries: Different User Groups, Different Disciplines, Critical Review of Some Large Scale User Studies

Unit 4 :

Qualitative & Quantitative Paradigm, Data Collection Methods, Other Specific Technique – Scenario Analysis, Interaction Analysis, Delphi Method, Repertory Grids, Evaluation of User Survey

User Education

Concept & Importance of User Education, Methods of User Education

Paper-III Information Consolidation and Repackaging

Unit-1: An overview of Information Analysis and Repackaging.

Definition, Concepts, Processes and Techniques, Trends in Information analysis and Repackaging including Electronic Content Creation, Content Analysis.

Unit-2 : Information Consolidation

Abstracting - need, purpose, definition concepts, types, guidelines and stages in abstracting. Information Consolidation (Definitional Analysis), Justification for information consolidation activities, Methodology for Information Consolidation (Pre-requisites and Steps in the preparation of Information Consolidation Products) Packaging and repackaging.

Unit-3 : Information Products

Nature, concepts, types and design of different information products such as-Newsletter, House Journals, Trade and product-Bulletins, Technical Digests, Trend Report etc., Marketing of Information Products.

Unit-4 : Information Analysis and Consolidation Centres

Genesis, Types, Function and Activities of information analysis and consolidation centers, Planning and Management of Information Analysis and Consolidation Centers (Policy formulation, Management and Resource needed)

Paper-IV Information Systems

Unit-1: An overview of Information System.

Concept, Meaning, Characteristics, Objectives, Types and Constraints of information system, Functions and Services of Components of Information System such as Libraries Documentation Centre, Referral Centers, Data Centre/Data Banks and Clearing Houses; National Information Systems (Concept, Components, Objectives, Requirements, Planning and Designing).

Unit-2: Information Systems

Information Systems in India (NISSAT, BTIS, ENVIS, INSDOC, DESIDOC, SENDOC, NCST, NASSDOC, CORD, NAI) Information Systems in USA (OCLC, ERIC, RLG, RLIN, NTIS) Information Systems in UK (Blaise Line, JANET) Information System in Russia (VINTTI) Others (INIS, AGRIS, APINESS, ASTINFO, INFOTERRA).

Unit-3 : Organizations Promoting Information Systems

UN based International organizations (UNESCO, ILO, UNIDO, FAO, UNISIST) Organizations Promoting Information Systems in India (UGC, DST, DRDO, ICAR, ICSSR, CSIR, ICMR), Other International Organizations (OECD, ICSU, IDRC, IAEA).

Unit-4 : Professional Organizations Promoting Information System

Professional Organizations at international level (FID, IFLA, ISKO) Professional Organization at National level (ALA, SLA, LA, ASLIB, ILA, IASLIC, SIS, ALSD)

Semester-II

Paper-V Information Retrieval

Unit-1 : Information Storage and Retrieval System.

Objectives, Operations and Design of Information Retrieval System, Compatibility of Information Retrieval System and its Evaluation. Information Retrieval Tools classification, cataloguing, indexing, abstracting and online retrieval, UBC, Standardization activities of bibliographic description.

Unit-2 : Indexing :

History and Development subject indexing, Pre-coordinate Indexing and Post-coordinate Indexing, Special type of indexing - citation indexing; automatic indexing - PRECIS, POPSI, KWIC, KWOC, Cyclic indexing, Indexing Languages - Thesaurus, Vocabulary Control, Evaluation of indexing system.

Unit-3 : Abstracting :

Uses and Techniques of abstracting, Abstracting services in different disciplines, Indexes in abstracting services.

Unit-4 : Information Retrieval

Search Process ; Search strategies and Heuristics, Common command languages and multiple information retrieval process, Database searching.

Paper-VI Research Methods & Statistical Techniques

Unit-1: Research

Concept, Meaning, Need and Process of Research, Ethical aspect of Research, Types of Research, Research Design (Aims, Objectives, Scope, Types and Limitations), Hypothesis, Literature search (Print, non Print & electronic sources) Research Methods (Scientific method, Historical method, Descriptive method, Experimental method and Delphi method) Research Techniques & Tools (Questionnaire, Schedule, Interview, Observation, Scales and Check Lists, Library Records and Reports, Sampling Techniques).

Unit-2 : Data Analysis and Interpretation

Descriptive statistics (Measures of Central Tendency, Mean Median, Mode), Tabulation and Generalization, Measures of Dispersion, Variance and Covariance, Standard deviation, Graphical Presentation of Data-Bar, Pie, Line Graphs and Histograms, Inferential Statistics Z-T Test, Correlation, Regression linear and non-linear, Chi-square Test, Sociometry, Statistical packages- SPSS, Statistical Graphics etc.

Unit-3 : Bibliometrics, Scientometrics and Informetrics

Concept and Definition, Bibliometric Laws (Bradford, Zipf, Lotka). Bibliographic Coupling Citation analysis, Webometrics, Citation Studies, Informetrics, Scientometrics.

Unit-4 : Research Reporting

Structure, Style, Contents, Guidelines for research reporting etc., Style manuals Chicago- MLA- APA etc. E-citation and methods of research and evaluation.

Paper-VII Information Technology Applications (Theory)

Unit-1: Information Technology

Concept, Scope and its components, Impact of IT on Society, Effect and uses of IT in libraries and information centers.

Unit-2 : Communication Technology

Fundamentals of Telecommunication Technology (Media, Mode and Components), ISDN and packet switching network Media UTP, Optical Fibers, Ethernet, Network Interface Card, Hubs, routers, Gateways, Modern, Network (Types and Topologies) and Networks (DELNET, CALIBNET, BONET, INFLIBNET etc.), Internet : Basic Features and Tools, Web Browsers (Netscape Navigator, Internet Explorer), Web Server, Web tools, Search Engines, Tele Conferencing, Telefacsimile, Teletext and Videotext.

Unit-3 : Digital Libraries

Genesis, Definition, Objectives and Scope, Creation of Digital Libraries, Challenges and Issues of Digital Libraries, Attributes and architecture of Digital Libraries, Social, Economical and Psychological implication of Digital Libraries, Indian Scenario of Digital Libraries (Problems and Prospects), Digital Libraries and its Social Impact, Information Professionals for Digital Information System.

Unit-4 : Miscellaneous

Library Automation Software package (Libsys, OASIS, CDS/ISIS, Sanjay) Artificial Intelligence and Expert System (with reference to Library and Information Science), Electronic Publishing, Multimedia, Information Security, Virtual Libraries, DBMS.

Paper-VIII Information Technology Applications (Practice)

- Unit-1: Creation and Maintenance of Databases by CDS/ISIS and others
- Unit-2 : Using of Library Software Packages
- Unit-3 : CD-ROM, Internet and Online Searching
- Unit-4 : Library and Information Centre Web Page design and creation.
