PROF. RAJENDRA SINGH (RAJJU BHAIYA) UNIVERSITY, PRAYAGRAJ

M.LIB.
EXAMINATION AND SYLLABUS SCHEME   Annexure-24
(CREDIT AND GRADING SYSTEM)

Course Code		Course Title	CREDITS	T/P	Internal		External
					CIE	PRACTICAL	ETE
LIB-501	CORE	KNOWLEDGE, INFORMATION AND SOCIETY	3	T	25	-	75
LIB-502	CORE	INFORMATION PROCESSING AND RETRIEVAL (THEORY)	3	T	25	-	75
LIB-503	CORE	INFORMATION CONSOLIDATION AND REPACKING	3	T	25	-	75
LIB-504	CORE	INFORMATION SYSTEMS AND ORGANIZATION	3	T	25	-	75
LIB-505	CORE	RESEARCH METHODOLOGY AND STATISTICAL TECHNIQUES	3	T	25	-	75
LIB-506	CORE	INFORMATION TECHNOLOGY APPLICATIONS (THEORY)	3	T	25	-	75
LIB-531	CORE	INFORMATION PROCESSING PRACTICE - I (CLASSIFICATION)	2	P	-	100	-
LIB-532	CORE	INFORMATION PROCESSING PRACTICE - II (CATALOGING)	2	P	-	100	-
LIB-533	CORE	INFORMATION TECHNOLOGY APPLICATIONS (PRACTICAL)	2	P	-	100	-

Note: The EVALUATION (MM=100) heading spans the CIE, PRACTICAL, and ETE columns.

There is:

CIE: Continuous Internal Evaluation.
Practical: 100% Internal
ETE: End Term Examination (University Examination).

PAPER –I
KNOWLEDGE, INFORMATION AND SOCIETY

UNIT –I

- Information : Nature, Properties and Scope
- Conceptual difference between Data, Information and Knowledge
- Information and Knowledge: Its attributes of Characteristics
- Information Service as a discipline and its relation with other subjects

UNIT –II

- Information Generation: Modes and forms
- Information Theory, Information Diffusion Process
- Knowledge generation Cycle : Knowledge generation to utilization
- Personal Knowledge and Public Knowledge , Knowledge and sources

UNIT –III

- Communication Process and Media
- Communication Channels and Models
- Communication of Information and Barriers to I.C.
- Trends in Scientific Communication

UNIT –IV

- Social implication of information
- Economic implication of information
- Changing role of Library and Information Centre in Modern Information Society

UNIT –V

- Information Policies: National Programmes and Policies
- National Information Policy (NIP)
- National Information Policy of Library and Information Science (NAPLIS)
- Organisation and Institution involved in the development of library and Information Services

PAPER –II
INFORMATION PROCESSING AND RETRIEVAL THEORY

UNIT –I

Objectives, operations and design of information retrieval systems Capability of information retrieval system and its evaluation

UNIT –II

Information retrieval tools classification cataloguing, indexing, abstracting and online retrieval, UBC, Standardization activities of bibliographic description

UNIT –III

History and development of subject indexing, Pre-coordinate indexing, 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 –IV

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

UNIT –V

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

PAPER –III
INFORMATION PROCESSING PRACTICE – I (Classification)

Classification by UDC (Abridge Rev. English Ed. 1961) Adequate Number of Titles from all Disciplines. Candidates will be required to Classify 20 Titles in all.

PAPER –IV
INFORMATION PROCESSING PRACTICE – II (Cataloguing)

Cataloguing of Serials, Composite Books, Multi-Volumes Sets and Non-Book Materials (Microforms and Monographs) by AACR-2 (1978), Library of Congress List of Subject Heading will be followed for Subject Heading, Candidates will be required to Catalogue 5Titles in all.

PAPER –V
INFORMATION CONSOLIDATION AND REPACKAGING

UNIT –I: **An overview of Information Analysis and Repackaging**
- Definition, Concepts, processes, techniques, trends in Information, analysis and Repackaging including electronic content creation, Contents analysis

UNIT –II: **Information Consolidation**
- Abstracting – need, purpose, definition, concepts types, guidelines and stapes in abstracting, Information Consolidation (Definitional Analysis)

UNIT –III
- Information Institutions: Evolution and Growth.
- Information Centres: Types and their Organisation
- Referral Centres: Need and function.
- Information consolidation activities, Methodology for information consolidation (Pre – requisites and steps in the preparation of information consolidation products).

UNIT –IV: Information Products
Nature Concepts types and design of different information product such as Newsletter, House journal , Trade and Product Bulletins, Technical Digests, Trend Report etc. Marketing of Information Products

UNIT –V: Information Analysis and Consolidation Centres
Genesis, Types, Function and activities of information analysis and consolidation Centers. Planning and Management of information analysis and consolidation Centres (Policy formulations, management and resource needed)

PAPER –VI
INFORMATION SYSTEMS & ORGANISTION

UNIT –I: An overview of Information System
Concept, meaning characteristics, objective types and constraints of information systems, Function and services of components of information system such as Libraries documentation centre. Referral centres, data centres data banks, clearing houses, National information System (Concept, components objectives, Requirements, Planning and designing)

UNIT –II: Information Systems
Information system in India (NISSAT, BITS, ENIVIS, INSDOC, DESIDOC, SENDOC, NCSI, NASSDOC, CORD, NAI)

UNIT –III: Information Systems in USA
Information Systems in USA (OCLC, ERIC, RLG, RLIN, NTIS) information system in UK (Blaise line , JANET) information system in Russia (VINITI) other (INIS, AGRIS, APINESS, ASTINFO, INFOTERRA)

UNIT –IV: Organizations Promoting Information Systems
UN based International Organization (UNESCO, ILO, UNIDO, FAO, UNISIST, Organization promoting information systems in India (UGC, DST, DRDO, ICAR, ICSSR, CSIR, ICMR) Other international organization (OECD, ICSU, IDRC, IAEA)

UNIT –V: Professional Organizations Promoting Information System
Professional organizations at international level (FID, IFLA, ISKO) Professional organization at national level (ALA, SLA, ASLIB, ILA, IASLIC, SIS, ALSD)

RESEARCH METHODOLGY AND STATISTICAL TECHNIQUES

UNIT –I: Research
>   Concept, meaning, need and process of Research, Ethical aspect of research
>   Types of research, Research design (Aims, Objectives, Scope, Types and
>   Limitation), Hypothesis, Literature search (Print, Non-Print & electronic sources)

UNIT –II: Research Methods, Tools and Techniques
>   Research Methods (Scientific method, historical method, descriptive methods
>   experimental method and Delphi method), Research Techniques & Tools
>   (Questionnaire, Schedule, Interview, Observation, scales and check lists, library
>   records and reports, sampling techniques)

UNIT –III: Data Analysis and Interpretation
>   Descriptive statistics (Measures of central tendency meant median, mode).
>   Tabulation and Generalization, Measures of dispersion, variance and covariance
>   standard deviation, Graphical presentation of data – bar, pie, line graph,
>   histograms, inferential statistic, test correlation , Regression linear & non linear,
>   chi-square test, Sociometry, statistical package, SPSS Statistical Graphics etc.

UNIT – IV: Bibliometries Scientometries & Informetrics
>   Concept and definition, Bibliometic laws (Bradford, Zipfs Lotka)Bibliographic
>   coupling, Citation analysis Webometrics, Citation Studies, informetrics,
>   Scientometrics

UNIT –V: Research Reporting
>   Structure, Style, contents, guidelines for research reporting, etc. Style manuals:
>   Chicago- MLA- APA etc. B- citation & methods of research & evaluation.

PAPER – VIII
INFORMATION TECHNOLOGY APPLICATION: THEORY

UNIT- I
- Information Technology: overview
- Introduction to Computer Technology
- Overview of Communication Technology

UNIT-II
- Fundamentals of Tele-communication Technology: Media, Mode and Components
- Network Types and Topologies: LAN, MAN, WAN
- Bus, Star, Ring, Token Ring, etc.
- Transmission Media, Switching System

UNIT-III
- Library Automation: Needs, Purpose, Functions and basic requirements
- Automation in-house operation: Acquisition, cataloguing, circulation, serial control, budget management, OPAC
- Automation software packages: guidelines, evaluation and features

UNIT-IV
- Management of information services: Current Awareness Services (CAS), Selective Dissemination of Information (SDI), Print Indexes, Online Search Services, Document Delivery Services, CD-ROM Database
- Database: Concept and components, Database Management System (DBMS)

UNIT-V
- Resource Sharing through Networks
- Network and their classification: ERNET. NICNET, JANET, BLAISE Line, OCLC, INFLIBNET
- Internet and its Services
- Tele-conferencing, telex, videotext
- Searching on the Internet (WWW, subject directories, search engines, uses of Internet Access in Libraries)

PAPER – IX
INFORMATION TECHNOLOGY APPLICATION: PRACTICAL

- HTML programming: Page Creation
- Library Automation Softwares:, SOUL,Greenstone ,Joomla, Drupal etc.