

GOVT BILASA GIRL'S P.G. AUTONOMOUS COLLEGE, BILASPUR

MASTER OF LIBRARY AND INFORMATION SCIENCE

1 YEAR(2-SEMESTER PROGRAMME)

Scheme of Examination

Session 2022-23

First Semester				
Paper N.	Paper title	IA	Exam Marks	Total
I	Information and Communication	20	80	100
II	Information Technology Application (Theory)	20	80	100
III	Preservation and Conservation of Library Material	20	80	100
IV	Information Retrieval (theory)	20	80	100
V	Information Retrieval (Practice)	-	100	100
Second Semester				
VI	Research Methods and Statistical Techniques	20	80	100
VII	Management of Library & Information Centres / institutions	20	80	100
VIII	Information Analysis, Repackaging and Consolidation	20	80	100
IX	Survey Report ++	-	50	50
X	Viva-Voce	-	50	50

Note- For Practical, Survey report and Viva-Voce external examiners will be called.

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Prisha
18/08/22

R. G. Jasla

First Semester

Paper - I **Information and Communication**

(T-80+IA-20=100)

Unit- 1 Data, Information and Knowledge

- Information: characteristics, nature, value and use of information
- Conceptual difference between Data, Information and Knowledge & Wisdom
- Communication of Information: information generation
- Communication channels, modes and barriers

Unit- 2 Information Society

- Information Society: Genesis, characteristics and Implications
- Social implication of information
- Policies Programme Related to Information.
- Information Industries.
- Concepts of Freedom, Censorship, Fair Use. Creative Commons, copyright in IPR.

Unit- 3 Information Science

- Information Science: Definition, Scope, objectives
- Information Science as a Discipline & its relationship with other subjects
- Information Communication: Theories & Models

Unit-4 Economics of information

- Information as an Economic Resource
- E- Commerce and E-Governance
- Marketing of Information.

Unit- 5 Information & Knowledge Management

- Information |Management
- Knowledge Management
- Information Society Vs Knowledge Society

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Paper - II

Information Technology: Application (Theory)

(T-80+IA-20=100)

Unit-1 Library Automation

- Library Automation: Definition, Need, Purpose and Advantages
- Planning and Implementation of Library Automation.
- Housekeeping Operation of Library.
- Evaluation of Library Automation Software

Unit- 2 Internet Basics Features and Tools

- Internet: Definition, application and Tools
- Internet Connectivity: Dialup, Leased Line, ISDN, Digital Subscriber Line (DSL) E-mail and Send mail, POP3.
- Internet Protocol: TCP/IP, FTP, HTTP, SMTP, Z39.50, and Z39.85
- OSI Network Model and TCP/IP Reference Model
- Network Based Information Services.

Unit-3 Web Page Designing &Content Management

- Hypertext and Hyperlink, Hypermedia
- Basic Code of HTML5.
- Web Based Content Development.
- Content Development software: JOOMALA /Word Press etc

Unit- 4 Open Access to Scholarly Communication

- Scholarly Communication: Concept and Meaning
- Open Access: Overview, Definitions. Open access publishing (full, hybrids, library as publisher, OA policies)
- People, Organizations (PLOS, SPRAC ,Budapest Open Access Initiative), and resources of Open Access
- Open Source Software :Identification ,Types and Use,

Unit- 5 Digital Libraries

- Genesis ,Definition, Objectives ,Scope of Digital Libraries
- Study of digital Library Software: Greenstone, D-Space
- File Format: Text, Audio, Video and Image
- Software and Hardware for Digital libraries: OCR, Image editing software,
- Input Capture Devices: Scanners, Digital Movie Cameras

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Paper - III

Preservation and Conservation of Library

(T-80+IA-20=100)

Unit 1 Library Materials: Preservation and Conservation

- Need for Preservation and Conservation
- Evolution of Writing Materials
- Palm leaves and Birch Bark: Their Nature and Preservation
- Manuscripts, books, Periodicals, Newspapers, Pamphlets etc
- Non-Book Materials

Unit 2 Hazards to Library Materials and Control Measures

- Environmental Factors
- Biological Factors
- Chemical Factors
- Disaster Management

Unit 3 Binding

- Different Types of Binding for Library Documents
- Binding Materials
- Binding Process
- Standards for Library Binding

Unit 4 Restoration and Reformatting

- Material Repair
- Microfilming and Digitization
- Preservation of digital documents

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Paper - IV Information Retrieval (Theory)

(T-80+IA-20=100)

Unit-1 Information Storage and Retrieval Systems

- Concepts, Objectives, Functions and component of ISAR system
- ISAR System: Operation Design
- Compatibility of ISAR System
- Evaluation of ISAR System
- IR Models

Unit- 2 Subjects Indexing: Principle and practices

- Indexing: Concept, Theories and Methods, Historical Development
- Pre coordinate Indexing system, Citation Indexing
- Post coordinates Indexing System- Keyword, Uniterm etc.
- Aggregator services
- Trends in Automatic Indexing

Unit- 3 Vocabulary Control & Indexing Language

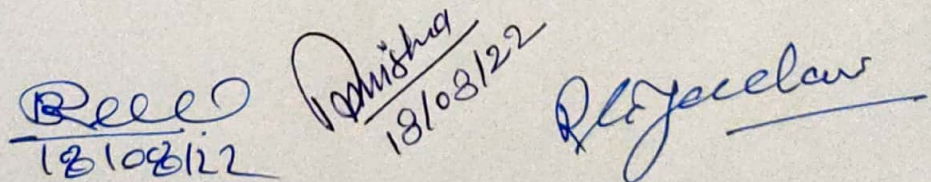
- Indexing Language: Type and Characteristics, Common Command Languages
- Vocabulary Control: Tools, Need and Scope
- Thesaurus: Structure, Function and Construction

Unit- 4 Searching Technique and Information Retrieval

- Man and Machine Retrieval System
- Search Strategies: Boolean Operations, Proximity Search, Heuristic Search, Navigational Search etc., Federated Search and Multimedia Databases Search
- Data Mining, Data Harvesting: Dublin Core, OAI/PMH, Semantic Web

Unit- 5 Advanced IR Techniques

- Cross-language retrieval
- Image retrieval
- Multimedia retrieval
- Information seeking behaviour models



Paper - V
Information Retrieval (Practice)

(T-80+IA-20=100)

Unit - 1 Preparation of Class Number for Micro-Document using UDC.

Unit - 2 Preparation of cataloguing entries for Complex Continuing Resources and Non-book Materials.

Unit - 3 Indexing Practice using PRECIS and KWIC; Aggregator Methods

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Second Semester

Paper - VI

Research Methods and Statistical Techniques

(T-80+IA-20=100)

Unit- 1 Research Methods

- Research: Definition, Nature, characteristics, purpose and types
- Research Methods: Historical, Descriptive, Survey and Experimental
- Hypothesis: Concept, Sources and Types, Research Question
- Scientific Methods: Features, Spiral of Scientific Method.

Unit- 2 Research Design

- Meaning and definition of research design
- Purpose / Goals of research design
- Characteristics of a good research design
- Different types of research design
- Advantage of designing research design.

Unit -3 Research technique and tools

- Meaning, need and Purpose of data collection
- Questionnaire, Interview and observation schedule
- Sampling technique and sampling error
- Scale and check list

Unit-4 Data analysis and interpretation

- Statistical Methods: Concepts, Definition and Basic steps and factors involved;
- Measures central tendency: Mean, Median and Mode;
- Measures of Dispersion: Range, Mean Deviation and Standard Deviation;
- Measure of Variability and Correlation, t-test, z-test, ANOVA.

Unit -5 Research Reporting

- Meaning definition and need of research design;
- Structure, style , contents;
- Guidelines for research reporting;
- Style manuals – Chicago – MLA-APA etc;
- E-citation and methods of research evaluation.

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Paper - VII

Management of Library and Information Centres/Institutions

(T-80+IA-20=100)

Unit- 1 Advanced Management Perspectives

- Concepts and schools of Management thoughts
- Management Information Science
- Functions and Principles of Scientific Management
- Total Quality Management
- Change Management: concept and need
- Performance Measurement

Unit- 2 Human Resource Management

- Human Resource Management: Selection, Recruitment, Training, Development, Performance Appraisal
- Organizational Behavior
- Managerial Quality and Leadership
- Human Resource Planning and Development for Digital Environment

Unit- 3 Financial Management

- Budgetary Control and Techniques
- Costing Techniques
- Cost Analysis
- Resource Mobilization and Outsourcing

Unit- 4 System Analysis and Design

- Library Planning: Basic Concepts, Types and Procedures,
- System Approach
- Work Flow and Organizational Routine
- Monitoring and Control Techniques,
- Performance Management

Unit- 5 Collection management in electronic environment

- Electronic resources
- E-consortia

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Paper - VIII

Information Analysis, Repackaging and Consolidation

(T-80+IA-20=100)

Unit- 1 Repackaging and Consolidation

- Packaging and Re-Packaging: Concept, Need, Purpose and Criteria
- Content Analysis
- Information Consolidation Products: Concept, Types, Design and Development
- Information Intermediaries

Unit- 2 Information Analysis and Consolidation centres

- Genesis of Information Analysis and Consolidation(IAC) centre's
- Planning and Management of IAC centre's
- Data centre and Referral Centre
- IAC Centre's in India

Unit- 3 Tools for IAR

- Indexes, Abstracts, Reviews, Digests, Markets, Surveys
- Different Types of Abstracts
- Guidelines in Preparing Abstracts
- Canons of Abstracting

Unit- 4 Information Products

- Nature Concept and Type
- Design and Development
- Information Newsletter, House Bulletin, In-House communications,
- Trade Reports, Technical Digest, and Trend Reports, state-of- the -art- reports

Unit- 5 Trends in Information Analysis, Repackaging and Consolidation

- Electronic Content Creation
- Online Information System and Information Networks
- International standards for Database Design and Development

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Paper- IX: Survey Report (Any one):

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- Survey of Important Libraries and Information Centres.
- Survey of Group of Users.

Paper-X:

VIVO-Voce

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