Scheme of Examination

There shall be University examination at the end of each semester in the following subject as patterned below

S1	Courses/Subject Title	Marks			Credits	Teaching					
No		Internal	Examination	Total		hours					
		Assessment		marks							
I semester											
	1 Core	T			,						
1.1	Foundations of Library	25	75	100	4	4					
	and Information Science										
1.2	Information Sources	25	75	100	4	4					
1.3	Library Classification	25	75	100	4	4					
	(Theory)										
1.4	Basics of Computer	25	75	100	4	4					
	(Theory)										
Prac											
1.5	Library Classification	-	50	50	2	4					
	(Practical) - I										
1.6	Basics of Computer	-	50	50	2	4					
	(Practical)										
	Total			500		24					
		II Sem	ester								
Hard	d Core										
2.1	Information Society &	25	75	100	4	4					
	Literacy										
2.2	Management of libraries	25	75	100	4	4					
	and Information centers										
2.3	Library Cataloguing	25	75	100	4	4					
	(theory)										
Soft	Core										
2.4	Library Automation	25	75	100	4	4					
	(Theory)										
Elec		•									
2.5	Information Literacy	10	40	50	2	2					
Prac		ı	ı		1						
2.6	Library Cataloguing	-	50	50	2	4					
	(Practical)										
2.7	Library Automation	_	50	50	2	4					
	(Practical)					-					
	Total			550	22	26					

III Semester									
Нат	rd Core	111 561116	ester						
3.1	Research Methodology	25	75	100	4	4			
3.2	Information Systems and	25	75	100	4	4			
5.4	Services	23	15	100	7	7			
3.3	Indexing System (Theory)	25	75	100	4	4			
	Core		70	100	· · ·	•			
3.4	Information and	25	75	100	4	4			
0.,	Communication Technology				•	-			
	(Theory) – I								
Ele	ctive	1							
3.5	Information Sources on Social	10	40	50	2	2			
	Sciences								
	and Science and Technology								
Pra	ctical	-		•					
3.6	Information Processing and	-	50	50	2	4			
	Retrieval (Practical)-I								
3.7	Information and	-	50	50	2	4			
	Communication								
	Technology (Practical) - I								
	Total			550	22	26			
		IV Seme	ester						
	d Core					1			
4.1	Information and	25	75	100	4	4			
	Communication								
	Technology (Theory) - II								
4.2	Digital Libraries	25	75	100	4	4			
4.3	Optional: (Study of any one)	25	75	100	4	4			
a)	Public library systems and								
	services								
b)	Academic library systems and	25	75	100	4	4			
	services	25		400					
c)	Health Science library systems	25	75	100	4	4			
n	and services								
	Project work	25	75	100	F				
4.4	Project work	25	75	100	5	-			
Des	ctical	(Viva voce)							
4.5	Library	1	50	50	2	4			
4.3	Classification(Practical)-II	-	30	30	4	4			
4.6	Information and		50	50	2	4			
4.0	Communication Technology	-	30	30	4	"			
	(Practical) - II								
	Total			550	21	20			
	Total			330	41	40			

I Semester

PAPER 1.1: FOUNDATIONS OF LIBRARY AND INFORMATION SCIENCE

Unit 1: Library & Information Centers: Meaning and Definitions, Components, Evolution and their Role in the modem society.

Unit 2: Types of Libraries: Meaning and definition, Objectives, Functions and Services of Academic, Special, Public, Corporate, National and Contact Libraries. Public Relation and Extension Activities: Concept and Programs, Outreach Activities.

Unit 3: Library Movement: Historical account of Library Movement in India with special reference to Karnataka.

Unit 4: Five Laws of Library Science: Implications and their relevance to information society.

Unit 5: Library Legislation: Need and purpose; Functions and Principles; Salient features of Karnataka Public Library Act, 1965, Delivery of Books & News paper Act, 1954; Digital Millennium Act, 1996.

Unit 6: Professional Associations and Organizations (National and International): Genesis, Development and Role -ALA, CILIP, IFLA, SLA, ILA, IASLIC, IATLIS and KALA. Promoters of LIS Services: UNESCO, RRRLF

Unit 7: Science of Librarianship

- a. Professionalism: Generic, Ethic, qualities;
- Science of Librarianship: Attributes, Universe of Knowledge, Classification, Cataloguing,
 Indexing, Thesaurus, Abstract, Knowledge Organization System (KOS)

References

Kumar, P.S.G. Foundations of Library and Information Science. Paper I of UGC Model Curriculum. B.R. Publishing Corporation. 2011

Belkin, N: Information Concept for Information Science: Journal of Documentation. Vol. 34(1) 1978 55-85

Brookes, Bertram C: The foundations of Information Science: Philosophical aspects. *Journal of Information Science*. Vol. 2, 1980, pp125-133

Ranganathan, S. R. The Five Laws of Library Science. Bangalore: Ess Ess, 2006.

Corbett, EV: Fundamentals of Library organization and administration. New Delhi, IBH,1978

Devarajan, D: 50 years of Indian Librarianship. New Delhi, Ess Ess Publications, 1999

Feather John: The Information Society: A study continuity and change. Ed. 2 London, Library Association Publishing, 1998

Girija kumar: Library development in India. New Delhi, Vikas, 1988

Greer, R. Grover, R. & Fowler, S. Introduction to the Library and Information Professions, Ed.2. Libraries Unlimited, 2013.

Isaac, K. A. Library Legislation in India: A Critical Comparative Study of State Library Acts. Ess Ess. 2004

Joliffie, Herold: Public library extension activities. Ed 2. London, Library Association, 1968

Kahan, MS: Principles and prospective of copy right. New Delhi, Sarup and Sons, 1996

Rubin Richard. Foundations of Library and Information Science, Neal Schuman, 2010. Pp468

Khanna, JK: Library and Society. Kurukshetra, Research Publiation, 1987

Mukharjee, SK and Sengupta, B: Library organization and administration, Calcutta, Old press, 1972.

Stephen, Grauberd and Paul Leclere: Books, Bricks and Bytes: Libraries in the 21Sl century. Transactions Publishers, 1998

PAPER 1.2: INFORMATION RESOURCES

Unit 1: Information Sources: Concept, Types, Characteristics and uses.

Unit 2: Primary Sources: Concept, Characteristics and uses; Periodicals, Conference Proceedings,Technical Reports, Patents, Standards and Specifications, Trade Literature, Theses andDissertations, Reprints, Preprints and Monographs.

Unit 3: Secondary Sources: Concept, Characteristics and uses; Dictionaries, Encyclopedias,Handbooks and Manuals, Bibliographies, Geographical Sources and Biographical Sources,Yearbooks, Almanacs, Sources of Statistics, Library Catalogues, Abstracting and Indexing Sources.

Unit 4: Tertiary Sources: Concept, Characteristics and uses; Directories, Bibliography of Bibliographies, Union Catalogues, Guides to Subject Literature.

Unit 5: Non-documentary Sources:

(a) Human resources -Consultants, Experts, Extension Workers, Technology gatekeepers, Invisible Colleges, Information Brokers.

(b) Institutional resources -National and International agencies, Govt. Departments, R&D Organizations, Academic Institutions, Data Banks, Institutional Websites.

Unit 6: Electronic Information Resources: Meaning and Definitions, Types – E-journals, E-books, Databases, E-theses, E-newspapers; Open Access Resources; E-learning Resources: Swayam, Swayam Prabha, e-PG Pathshala, eGynakosh, e-shodhsindhu, NDL, NPTEL; ETD – Shodhganga, Shodhgangothri.

Unit 7: a). Social Networking Sites: Discussion Forums, Information Gateways/Portals, Blogs, Wikis, Twitter.

- b) Open Learning Resources: OER, MOOCs
- c) Evaluation of Print and Electronics

References

Chowdhury, CG and Chowdury, Suddatta: Searching CD-ROM and Online information sources, London, Library Association, 2001.

Davinson Donald: Reference service. London, Clive Bingley, 1980.

Grogan, Denis: Science and Technology, Ed.4. London, Clive Bingley, 1982

Guha, B: Documentation and Information Services: Techniques and Systems. Rev. Ed.2. Calcutta, World Press, 1983

Hanson, CW: Introduction to science information work. London, ASLIB, 1973

Higgens, Gavin: Printed reference materials. London, Library Association, 1980

Katz WA: Introduction to Reference work. Ed. 5. Vol.2 New York, Mc-Graw Hill, 1989

Krishna Kumar: Reference service. Rev. Ed. 3. New Delhi, Vikas, 1987

Lea, Peter W: Printed Reference Materials. Ed.3 London, Library Association, 1990

Lea, Peter Wand Day, Alan: Reference Sources Handbook. Ed 4. London, Library Association, 1996.

Parker, C.C. and Purely: Information Sources in Science and Technology. Ed. 2. 1986

Ranganathan, SR: Reference Service Ed 2. Bangalore, Sarada Rangnathan Endowment for Library Science, 1992.

Sewa singh: Handbook of Reference and Information Services. New Delhi, Crest Publishing house, 1997

Sewa Singh: International manual of Reference and information services. Delhi, Beacon Book, 1997

Sharma, JS and Grover, DR: Reference service and sources of Information. New Delhi, Ess Ess publications, 1992

Subramanyam, K: Scientific and Technical Information Resources. New York, Marcel Dekkar, 1981.

PAPER 1.3: LIBRARY CLASSIFICATION (THEORY)

Unit 1: Library Classification: Meaning and Definition, Need, Purpose and Functions.

Unit 2: Universe of Knowledge: Modes of formation of subject; Knowledge Classification and Book Classification.

Unit 3: Schemes of Library classification: DDC, UDC and CC -History, Development and Structure

Unit 4: Theory of Library Classification: Planes of Work, Laws, Canons, Principles and Postulates.

Unit 5: Fundamental Categories: Facet Analysis and Facet Sequence, Phase Relation and Common Isolates. Common and Special.

Unit 6: Notation: Meaning and Definition, Need, Types, Functions and Qualities; Mnemonics.

Unit 7: Trends in Library Classification: Automatic Classification, Web Dewey. Knowledge Organization Systems – Concept, Ontology, Folksomony, OWL, SKOS, Taxonomy.

References

Berwick Sayers, WC: Introduction Library Classification. London, Andra Deuach, 1950

Bliss, HE: Organization and knowledge in libraries and subject approach to Books. Ed.2. New York, Wilson, 1929.

Eric, J Hunter: Classification made simple. England, Gower Pubishing, 1995.

Fosket, AC: Subject Approach to Information. Ed.5. 1991.

Fosket, AC: The Universal Decimal Classification. London, Clive Bingley, 1973.

Jaideep Sharma and Ramkumar: DDC 20: A Practical guide. Delhi, Indian Bibliographies, Bureau, 1994

John, P Comaromi and Satija, MP: Exercises in the 20th edition of DDC. New Delhi, Sterling Publishers Pvt. Ltd. 1990.

Kochar, RS: Library classification System, New Delhi, Common Wealth Publishers, 1998

Krishna Kumar: Theory of Classification. Ed.2, New Delhi, Vikas, 1980.

Pushpa Dhyan: Classification schemes and Indian Libraries. 2'nd Rev.ed, New Delhi, Metropolitan, 1989

Raju, AAN: Universal Decimal Classification (IME 1985): A Practical manual and self instructional manual. Madras, TR Publications, 1991.

Satija, MP and John, P Comaromi: Introduction to the practice of Dewey Decimal Classification. New Delhi, Sterling Publishers Pvt. Ltd., 1998.

Satija, MP: Colon Classification. New Delhi, Sterling Publishers Pvt. Ltd., 1993.

Shegal , RL: Hand book of Colon Classification. New Delhi, Ess Ess Publication, 1993.

PAPER 1.4: BASICS OF COMPUTER (THEORY)

Unit 1: Information Technology: Meaning, Definition, Scope and Evolution, Application of ICT in Libraries and Information Centres. Computers: Concept, Types, Generation, Capabilities and limitations

Unit 2: Computer Hardware: Components of a Computer; Memory -Internal Storage: ROM and RAM, External Storage Devices: Magnetic Devices -Hard Disk; Optical Devices -CD-ROM, DVD, Blue-ray Disc; Pen drive; Input/output Devices: Microphone, Joystick, Touchpad, Touch Screen, barcode reader. Output devices: Printer, Plotter, Monitor & Speaker.

Unit 3: Computer Software: Systems Software -Compilers and Interpreters; Operating Systems: - Single User-MS-DOS, MS-WINDOWS; Multi-user Operating Systems –Windows, Linux/Unix; Application Software Package: MS Office -Word, Excel and PowerPoint, Mobile Operating Systems –IOS, Android.

Unit 4: Data Representation and Data Manipulation: Data Representation-Bits, Bytes, Codes-BCD, EBCIDC, ASCII, ISCII and UNICODE. Number System-Conversion from binary to decimal-Decimal to Binary; Binary calculations-Addition-Subtractions.

Unit 5: Programming: Steps in programming, algorithm, flowchart, Programming languages: BASIC, PASCAL, C, C++, HTML.

Unit 6 File organization: Field, Record, file, database, types of file organization and their advantages and disadvantages.

Unit 7: Internet: Historical development, Web browsers – Internet Explorer, Mozilla Firefox and Google Chrome; Search Engines- need and importance, types, search strategies.

References

Coper, M J: What Computers can do. London, Masclanner, 1970.

Davies, G B: Introduction to computers. New York, Mc-Graw Hill, 1977.

DRTC: Library Networks in India. Seminar Volume, 1990.

Eyre, J J and Tonks P: Computers and Systems: An Introduction for Librarians London, Clive Bingley, 1971.

Grosshans, D: File Systems: Design and Implementation. 1986.

Hanley, TP: Computer based library and Information System. London, Me Donals, 1970.

Hunt Rand Shelley J: Computers and Common Sense. 1989.

Kaul, HK: Library Network: Indian Experience. 1992.

Kimber, RT: Automation Libraries, Ed. 2. Oxford, Pergmon, 1974.

Krishnamurthy, EV: Introductory theory of Computer science. New Delhi, East-West Press Pvt. Ltd. 1995, Madras Library Association: Library automation. Madras, NLA, 1986.

Marser, Ellen: Elements of Data Processing. New York, Dalmer, 1971.

Mishra, KLP and Chandrashekaran, N: Theory for Computer Science. Ed 2. New Delhi, Prentice -Hall of India Pvt. Ltd., 1999.

Morris, Mano M: Digital logic and Computer design. New Delhi, Prentice Hall of Indian Pvt. Ltd., 2000.

Price, WP: Introduction to Computer data processing. New York, Hot, Rinehart and Winston, 1981.

Rowley, Jennifer: Basics of Information Technology. 1997.

Stulta, RA: The Word processing: Hand book. 1982.

Tedd, LA: An Introduction to Computers and Basic programming. Ed 2. New Delhi, New Age International Pvt. Ltd., 1998.

Terrence, W Pratt and Marvin, V Zelkowlts: Programming Languages: Design and Implementation. New Delhi, Prentice Hall of India Pvt. Ltd., 2000.

Thomas, C Bartee: Digital Computer fundamentals Ed 6. New Delhi, McGraw-Hill Publishing Company Ltd., 1985.

PAPER 1.5: LIBRARY CLASSIFICATION (PRACTICAL) - I

Classification of Simple, Compound, Complex and Electronic documents according to the latest edition of Dewey Decimal Classification Scheme.

(Each Student shall compulsorily maintain practical record and submit the same at the time of practical examination)

PAPER-1.6: BASICS OF COMPUTER (PRACTICAL)

- Acquaintance with Computer and its Components
- Hands on Experience and Work Assignments with MS-DOS, MS-WINDOWS, MS-OFFICE Word, Excel and PowerPoint.

(Each Student shall compulsorily maintain practical record and submit the same at the time of practical examination)

Second Semester

PAPER 2.1 INFORMATION SOCIETY & LITERACY

Unit 1: Data, Information and Knowledge: Types, Nature and Characteristics Features; Information Communication: Information Generation and Communication; Channels and Levels of Communication; Barriers of Information Communication; Communication Modes and Models

Unit 2: Information Society: Meaning and Definition; Genesis, Development and Evolution of Information Society; Information Industry - Content creation, content organization and content communication (Generators, Providers and Intermediaries). Economics of information

Unit 3: Issues of Information Society: Social Issues, Political Issues; Policies relating to Information: Right to Information Act, Intellectual Property Rights – Copyright, Trademark and Patent. Concept of Freedom, Censorship, Data Security, Fair Use and Creative Commons. National and International Information Policies and Programs; Information Technology Taskforce, and National Knowledge Commission.

Unit 4 Information literacy: Meaning, Definition, Need, Importance Historical perspective of Information literacy. User education to information literacy.

Unit 5 Types of Information Literacy: Library Literacy, Technology literacy, media literacy, computer and digital literacy, research literacy.

Unit 6 Models and Standards: Models- SCONUL model and Empowering 8 model, B-6, Seven Pillar, ELLIS. Standards- ALA, IFLA ACRL. Taskforces and forums.

Unit 7 Knowledge Management and Economics of Information.

References

American Library Association. Final Report of Presidential Committee on Information Literacy. www.ala.org/at/nill/litt1sthtml

Barker, K. and Londsale, R. Ed. (1994). Skills for life: the value and meaning of literacy. London: Taylor Graham.

Bawden, D. (2001). Information and digital literacies: a review of concepts. http://gti/edu.um.es.8080/gomez/hei/intranet/bawden/pdf.

Eisenberg, M.B., Lowe, C.A. & Spitzer, K.L. (2004). Information literacy: Essential skills for Information age. London: Libraries unlimited.

Meadows, A.J. Ed. (1991). Knowledge and communication: essays on the Information chain. London: Library Association.

Pantry, Sheila and Griffiths, Peter (2002). Creating a successful eInformation service. London: Facet.

ZoranaErcegovac (2008). Information literacy: search strategies, tools & resources for high school students and college freshmen. California: ABC-CLIO.

PAPER 2.2: MANAGEMENT OF HYBRID AND DIGITAL LIBRARIES

Unit 1: Management: Concepts, Definition and Scope; Management Styles and Approaches; Functions and Principles of Management and their application to Library and information centres

Unit 2: Human Resource Management: Meaning, Definition, Objectives and Functions; Selection and Recruitment; Manpower planning, Job analysis; Motivation; Training and Development; Performance Appraisal, Promotion and transfer; MBO.

Unit 3: Financial Management: Resource Mobilization; Budgeting Methods and types of Budgets, Preparation of budget, Costing and Accounting, Cost Benefit Analysis: PERT, CPM; Outsourcing

Unit 4: Library Records and Statistics: Library Records, Annual Report-Compilation, Contents and Style; Library Statistics, Staff Manual, Authority File.

Unit 5: Systems Analysis and Design: Library as a system; Design and Planning of Library and Information Center, Approaches, Factors, Steps. SWOT. Total Quality management: Concept, Definition, Elements, Quality Audit, LIS related Standards. Technology Management.

Unit 6: a). Library Operations: Collection Development - Selection and Acquisition; Technical Processing; Serials Control; Circulation Control; Maintenance; Stocks verification and Weeding.

b). Online Bookstores – Identification, Advantages, Online Book Shops v/s Traditional Book Shops, URLs.

Unit 7: Library Building: Hybrid and Digital; Planning and Design, Factors and Principles, Furniture and Equipment, library standards.

References

Bryson, J: Effective Library and Information Center Management.

Chatterjee, A K: Introduction to Management: Its Principles and Techniques. Calcutta, World Press.

Cowley, J: Personnel Management in Libraries. 1982.

Davar, R S: The Management process Ed, 1982.

Daugherty, Rand Heinrits, FJ: Scientific Management of Library operation. 1985.

Eindur, P: Information Systems Management: Analytical tools and techniques. 1985.

Evans S E: Management Techniques for Librarians. Ed. 2New York, Academic, 1978.

Jones, N and Jordan, P: Staff Management in Library and Information work. 1982.

Katz, A: Collection Development: Selection of Materials for Libraries. New York, HRW, 1980.

Krishna Kumar: Library Administration and Management. Delhi, Vikas, 1987.

Krishnmurthy, R Ed.: Library Management. New Delhi, Commonwealth publisher, 1997.

Mittal R L: Library Administration: theory and Practical. Ed. 4 Delhi, Metropolitan, 1984.

Pearson, R J: Management process: Selection of Readings for Librarians. Chicago, ALS, 1983.

Ray, Prytherch: Information Management and Library Science: A Guide to the Literature. England, Gower Publishing, 1994.

Sharma, J K: Personnel Management in Libraries. 1981.

Smith, D: Systems thinking in Library and Information Management. 1980.

Stedwsart, R D and Eastilick, J T: Library Management. Ed. 3 1988.

Thiefaut, R J and Reynolds, S W: Effective Information Systems Management. 1982.

Siwatch, Ajit Singh. Library management: Leadership style and organizational climate. 2004

PAPER 2.3: LIBRARY CATALOGUING (THEORY)

Unit 1: Library Catalogue: Meaning, Definition, Purpose and Functions; Types and forms of Catalogue including OPAC and Web-OPAC.

Unit 2: Normative Principles: Laws, Canons and Principles

Unit 3: Catalogue Codes: Brief history and salient features of Classified Catalogue Code, AACR - II(R).

Unit 4: Catalogue Entries and Filing: Kinds of entries, Filing rules and Principles

Unit 5: Subject Headings: Chain Procedure, Sear's List of Subject Headings and Library of

Congress Subject Headings

Unit 6: Co-operative and Centralized Cataloguing; Union Catalogues: Concept, Types and Compilation, Z39.50, copy cataloguing, OCLC WorldCat.

Unit 7: Trends in Cataloging of Electronic and Internet resources, Metadata Standards-Dublincore, ISO2709, FRBR-RDA, BIBFRAME

References

American Library Association, Angle-American Cataloguing Rules. Ed. 2. Chicago, ALA, 1978.

Cutter, CA: Rules for Dictionary Catalogue. Ed.4. London, Library association, 1955.

Fosket, AC: Subject approach to Information. Ed.5. 1991.

Girija Kumar and Krishna Kumar: Theory of Cataloguing. New Delhi, Vikas, 1986.

Hunter, EJ: Cataloguing: Guide Book, ED.2 London, Clive Bingldy, 1974.

Horne, Jhon: Cataloguing. London, ALA, 1970.

Ranaganathan, SR: Classified Catalogue Code with additional rules for Dictionary Catalogue. Ed.5. Bombay, Asia, 1965.

Ranganathan, SR: Heading and Canons. Madras, 1955.

Ranganathan, SR: Library Catalogue: Fundamentals and Procedure. Madras, Library Association, 1950.

Viswanathan, CG: Cataloguing Theory and Practice. 1990.

PAPER 2.4: LIBRARY AUTOMATION

Unit 1: Library Automation: Meaning and Definitions, History, Need and Areas of Library Automation

Unit 2: Strategies for Library Automation: Factors -Internal and External, Prerequisites, Library Automation Tasks

Unit 3: Infrastructure Requirements for Library Automation: Manpower, Hardware, Software, Cost, Furniture and Equipment – Barcode, RFID, QR Codes, NFCT (Near Future Communication Technology).

Unit 4: Automation of House Keeping Operations: Acquisition and Cataloguing, with focus on role, rationale, Subsystems and Interface, File and Data Structure, OCLC and LC.

Unit 5: Automation of House Keeping Operations: Circulation and Serials Control with focus on role, rationale, Subsystems and Interface, File and Data Structure; Retrospective Conversion: Strategies and Techniques

Unit 6: Library Software Packages: SOUL, Easylib, Libsys, NewgenLib, Koha; Evaluation of Library Automation Software.

Unit 7: Library Technology: Library Security, Discovery tools, Semantic Technology and tools, Link resolves.

References

xBiddiscombe, Richard: End user revolution: CD-ROM, Internet and change role of the Information Professional. London, Library association, 1996.

Burns, A: New Information Technology. 1984.

Edmunda, R A: Prentice Hall Encyclopedia of Information Technology, Essential Guide dBase plus in Libraries. 1988

Ffaruqui Khalid Kamal: Automation in Libraries. New Delhi, Anmol, 1997.

Faruthi, S N Ed.: Library Techniques and Technologies Perspectives in Multimedia Library Development. New Delhi, Kanishka, 1997.

Gupta, Sangita: Manpower Needs of Automated Libraries. New Delhi, Ess Ess Publications, 1995.

Haravu, L J.: Library automation: design, principles and practice, 2004

Kent, A and Galvin, T J Ed.: Information Technology: critical Choice for library Decision Makers. 1992

Madras Library Automation. MLA, 1992.

Menon, V V and Prasad, H N Ed.: Information Technology and National Development. Agra, Y K Publishers, 1994.

Moorthy, A L: Information Technology applications in academic Libraries in India with emphasis on networking services and information sharing, Ahmedabad, INFLIBNET, 1997.

Ojha, D C, Edd.: Computer Applications III Library and Information Science. Jodhapur, Scientific Publication, 1995.

Rouse, Rowena: CD_ROM and online computing, Electronics and Telecommunication databases, London, ASLIB, 1994.

Satyanarayana, R: Information Technology and its facts. New Delhi, Manak, 1998.

Tiwari, Purushotham: International encyclopaedia of library automation: Contents: Vol.2- Library computerisation, 2011

Unesco, Reference Manual and CDS/ISIS Pascal Manual, 1989.

Elective Paper: 2.5 INFORMATION LITERACY

Unit 1: Types of Libraries: Meaning and definition, Objectives, Functions and Services of Academic, Special, Public, Corporate, National and Contact Libraries

Unit 2:

a) Types of Information sources --- Primary, secondary and tertiary information resources;

b) Library Tools, Services and Facilities – Organization of library resources, Classification, Catalogue, Union catalogue, Kardex, Bibliographies, Directories, Yearbooks, Indexing and abstracting; Services-Reference service, CAS,SDI, Bibliographical service, Document delivery service, Referral service; Facilities-photocopy, reading room facility, book bank, circulation of books, internet browsing.

Unit-3: Electronic Information Resources: Meaning and Definitions, Types – E-journals, E-books, Databases, E-theses, E-newspapers; Open Access Resources; E-learning Resources: Swayam, SwayamPrabha, e-PG Pathshala, eGynakosh, e-shodhsindhu, NDL, NPTEL; ETD – Shodhganga, Shodhgangothri.

Unit 4: Open Access resources: Open Accessinitiative, OA journals, OA books, DOAJ (directory of Open access Journals), Directory of Open access Books, OER, MOOCs

Unit 5: Information Literacy: Meaning, Definition, Need and Evolution of the concept. Historical perspective of Information literacy.

Unit 6: Information Organization and Presentation: Methods of organization and presentation, use of style manual, foot notes and end notes

Unit 7: IL Skills and Competencies: Information Literacy (IL) programmes, Study of Information literacy programs in the world. Information literacy instructions in different types of Library and Information centers, Levels of Information Literacy: Entry level, Mid level, High level, Advance level. Lifelong learning and its components.

References

Grogan, Denis: Science and Technology. Ed. 4. London, Clive Bingley, 1982.

Guha, B: Documentation and Information Services: Techniques and Systems. Rev. Ed.2. Calcutta, World Press, 1983.

Hanson, CW: Introduction to science Information work. London, ASLIB, 1973.

Higgens, Gavin: Printed Reference materials. London, Library Association, 1980.

Katz WA: Introduction to Reference work. Ed.5. Vol.2 New York, Mc-Graw Hill, 1989.

Lea, Peter W: Printed Reference Materials. Ed.3 London, Library Association, 1990.

Lea, Peter Wand Day, Alan: Reference Sources Handbook. Ed 4. London, Library Association, 1996.

Maizell, RE and Others: Abstracting scientific and Technical Literature. New York, Wiley, 1970.

Parker, C.C. and Purely: Information Sources in Science and Technology. Ed.2. 1986.

Sewa singh: Handbook of Reference and Information Services. New Delhi, Crest -¬Publishing house, 1997.

Sewa Singh: International manual of Reference and information services. Delhi, Beacon Book, 1997.

Sharma, JS and Grover, DR: Reference service and sources of Information. New Delhi, Ess Ess publications, 1992.

Subramanyam, K: Scientific and Technical Information Resources. New York, Marcel Dekkar, 1981.

PAPER 2.6 LIBRARY CATALOGUING (PRACTICAL)

Cataloguing of Simple, Composite and complex documents according to AACR-II (R)

PAPER 2.7: LIBRARY AUTOMATION (PRACTICAL)

Hands on experience and work assignment with library software packages: SOUL and Koha.

(Each Student shall compulsorily maintain practical record and submit the same at the time of practical examination)

Third Semester

PAPER 3.1: RESEARCH METHODOLOGY

Unit 1: Research: Meaning, Definition, Need and Purpose, Types of Research -Basic, Applied and Interdisciplinary, Scientific Method. Areas of Research in Library and Information Science.

Unit 2: Research Problem: Review of Literature, Identification, Selection and Formulation of a Research Problem. Research Design: Need and Importance, Types and Contents

Unit 3: Hypothesis: Meaning and Definition, Functions, Types and formulation of hypotheses, Qualities of good hypotheses.

Unit 4: Methods and Tools of Research: Historical, Experimental, Survey and Case study method, Informetrics, Scientometrics, Delphi and Content Analysis; Observation, Interview, Questionnaire, Schedule, Scales and Checklist

Unit 5: Sampling methods and Techniques: Meaning and definition of sample, Features of good sampling, Sampling techniques -Random sampling, Stratified sampling and Systematic sampling; Non -Random sampling methods -Quota sampling, Cluster sampling, Convenience sampling, Sample size, Calculation of sample size, Bias and Error.

Unit 6: Data processing, Analysis and Interpretation -use of statistical Techniques -Data presentation -Use of Graphs, Charts and Tables; Use of SPSS for data processing: Chi-Square, Corelation, T-Test.

Unit 7: Report Writing: Nature, Organization, Content, Style Manuals – Chicago Style Manual, MLA, APA. E-citation – EndNote, RefWork and Mendley. Evaluation of a research report, Ethics in Research, Plagiarism: Need and Importance, Plagiarism detecting software.

References

Bush, CH and Harter, SP: Research Methods in Librarianship: Techniques and Interpretation. New York, Academic, 1980.

Chapin, FS: Experimental Designs in Sociological Research. Rev. Ed. Westport, Greenwood press. 1974.

Downs, RB and Down, EC: How to do Library Research. Urban, University of Illinois press, 1966.

Good, CV and Scales, E Ed.: Methods of Research. Auckland, Mc-Graw hill, 1981.

Kothari, CR: Research methodology: methods and techniques, 1993.

Mohsin, SM: Research Methods in Behavioral Sciences. Calcutta, Orient Longman, 1984. Ravichandra Rao, L K: Quantitative Methods in Library and Information Science. New Delhi, Wiley Easter, 1983.

Robart, K: Application of case study Research. Vol. 34, New Delhi, Sage Publication, 1993. **Sharma, RN and Sharma RK:** Research methods in Social Science. Bombay, Media promoters and Publishers Pvt. Ltd., 1987.

Sadhu singh: Research methodology in Social sciences. Bombay, Himalaya Publishing House, 1980.

Stevens, RE: Research Methods in Librarianship. London, Bingley, 1971.

Tauber, MF and Stephens, IR: Library Surveys. New York, Columbia University Press, 1968.

Thompson, Bruoe: Advances in Social science methodology: Research Manual vo1.2. London, Jai Press, Ltd., 1992.

Whitney, FL: Elements of Research. Bombay, 1961.

Wilson, EB: Introduction to scientific Research. New Delhi, Mc-Graw Hill, 1952.

PAPER 3.2: INFORMATION SYSTEMS AND SERVICES

Unit 1: Information Service: Meaning and Definition, Importance, Design and Planning, Factors

Unit 2: Reference service: Types -Short and Long Range with examples. Reference process, Steps in providing reference services, Virtual Reference Desk (VRD), Management, technology and resources. Referral service. Reference Collection, Knowledge, Skills and Qualities of a Reference Librarian

Unit 3: Compilation of CAS and SDI, Indexing and Abstracting Bulletins, Translation Service. Online Services: Alerting services-Listservs and Subject portals, FAQs -Developing FAQs -methods and techniques

Unit 4: Document Delivery Services -Needs and Importance, Types of Document Delivery Services Use of technology in document delivery. Document delivery services of INFLIBNET and DELNET.

Unit 5: Bibliographic Services -Importance, Types and its role in Information access and use Preparation of bibliographies, Trend Reports, State of the Art reports and Digests.

Unit 6: National Documentation Centers and Information Systems: NISCAIR, DESIDOC, NASSDOC and SENDOC

Unit 7: International Information Systems and Services: Identification, Features and Use: BIOSIS, INSPEC, ERIC, AGRIS, INIS and MEDLINE

References

Davinson Donald: Reference service. London, Clive Bingley, 1980.

Fjalibrant, N and Stevenson: User Education in Libraries. London, Clive Bingley, 1978

Guha, B: Documentation and Information Services: Techniques and Systems. Rev. Ed.2. Calcutta, World Press, 1983.

Hanson, CW: Introduction to science Information work. London, ASLIB, 1973.

Maizell, RE and others: Abstracting scientific and Technical Literature. New York, Wiley, 1970.

Ranganathan, SR: Reference Service Ed 2. Bangalore, Sarada Rangnathan Endowment for Library Science, 1992.

Richardson, John V: Knowledge-Based Systems for General Reference work: Applications, Problems and Progress. San Diego: Academic Press, 1995.

Rowley, JE and Turner: CMD: Dissemination of information, London, Andru Deutach, 1975. Rowlay, JE and Turner: Reference Service and sources of Information. New Delhi, Ess Ess Publications, 1987.

Sewa Singh: International Manual of Reference and Information Services. Delhi, Beacon Book, 1997.

Sharma, JS and Grover, DR: Reference Service and Sources of Information. New Delhi, Ess Ess publishers, 1992.

PAPER 3.3: INDEXING SYSTEM (THEORY)

Unit 1: Indexing: Meaning, Definition, Objectives, Characteristics and Functions, Functional Model of IRS.

Unit 2: Components of Indexing: theories, methods and importance. Indexing as a profession, Indexing languages: Vocabulary control, semantics and syntactic, Thesaurus: Definition, Importance, Design and Construction.

Unit 3: Indexing Systems: Pre-Coordinate and Post coordinate. PRECIS, POPSI, KWIC and its variations, UNITERM and Citation indexing. Automatic Indexing – Techniques and Methods.

Unit 4: Bibliographic Description: Concept, Need, Historical Development, Standards for Bibliographic record format-ISBD.

Unit 5: Bibliographical Control: Concepts, Need, Historical Development, Bibliographical control of Documents including Non-book Materials. Role of National Organizations; Standards and Cooperation.

Unit 6: International Bibliographical Control: Need, Universal Bibliographical Control, Three Standards of the UBC Philosophy, Requirements of UBC. Role of International Organizations; Standards and Cooperation.

Unit 7: Evaluation of Indexing Systems: Criteria-Recall and Precision Coverage and Currency, Evaluation Studies -ASLIB, MEDLARS, Cranefield, SMART and STAIRS.

References

Anderson, D: Universal Bibliographical Control. 1974.

Aittchinson, Jand Gilchrist, A: Thesaurus construction: A Practical Manual. 1972.

Berwick Sayers, WC: Manual of Classification for librarians. Ed. by Arthure Maltby, Ed. 5 London, Andre Deutsch, 1978.

Bliss, HC: Organization of knowledge in Libraries and subject approach to books. Ed.2. New York, Wilson, 1929

Chakkraborthy, AR and Chakrborthy Bhubaneswar: Indexing principles, Processors and Products. Calcutta, World Press Pvt. Ltd. 1991.

UNESCO: Common Communication Format. Ed.2. Paris, UNESCO, 1988.

Khan, MZ: Indexing and documentation in Library Science. New Delhi, Sarup and Sons, 1996.

Kochen, M: Principles of Information Retrieval. 1974.

Lancaster, FW: Indexing and Abstracting in theory and practice. Illinois University of Illinois graduate School of Library and Information, 1991.

Lancasster, FW: Information Retrieval Systems, Characteristics, Testing and Evaluation. 1968. Lucos, Henry, C: Analysis, Design and implementation of Information systems. New York, Mc-

Graw Hill Company, 1992.

Salton, G: Introduction to Modern Information Retrieval 1983.

Senn, James, A: Analysis and Design of Information Systems. Ed.2. New York, Me-Graw Hill company, 1991.

PAPER 3.4: INFORMATION AND COMMUNICATION TECHNOLOGY (THEORY) - I

Unit 1: Multimedia technology: Concept, scope, and developments, Multimedia PCs, Audio and video, image representation and manipulation

Unit 2: Hypertext and Hyper Media: Concept, Scope and Development, Audio and Video. Image Representation and Manupulation. Hardware and software requirements.

Unit.3: Database design, Development and Management: Concept of Database and DBMS; types, design, structure, Organization and Development of Database; Data Security.

Unit.4: Study of WINISIS: System overview, System Installation, Database Construction, Techniques, Menus, Tools and Creation of database; Research Management Information System (RIMS)-Pure, VIVO, Converis.

Unit 5: Data Science & IoT: Concept; Big Data

Unit.6: a). Online Databases in Science and Technology: SCOPUS, Web of Science, Google Scholar, PUBMED, INSPEC

b) Online databases in social sciences: ERIC, EconLIT, Indiastat.com

Unit 7: Cloud Computing: Concept, Origin, Characteristics, Models, Architecture, Advantages and Disadvantages.

References

Beiser, Karl: Essential guide to dbase III+ in Libraries. London, Meckler, 1987.

Biddiscombe, Richard: End user revolution: CD-ROM, .Intemet and change role of the Information Professional. London, Library association, 1996.

Edmunda, RA: Prentice Hall Encyclopedia of Information Technology, 1987Essential Guide dBase plus in Libraries. 1988.

Faruqui Khalid Kamal: Automation in Libraries. New Delhi, Anrnol, 1997.

Faruthi, S N Ed: Library Techniques and Technologies Perspectives in Multimedia Library Development. New Delhi, Kanishka, 1997.

Kent, A and GaJvin, T J Ed: Information Technology: critical Choice for library Decision Makers. 1992.

Menon, V V and Prasad, H N Ed.: Information Technology and National Development. Agra, Y K Publishers, 1994.

Moorthy, A L: Information Technology applications in academic Libraries in India with emphasis on networking services and information sharing, Ahmedabad, INFLIBNET, 1997.

Ojha, .D C, Edd.: Computer Applications in Library and Information Science. Jodhapur, Scientific Publication, 1995.

Rouse, Rowena: CD_ROM and online computing, Electronics and Telecommunication databases, London, ASLIB, 1994.

Satyanarayana, R: Information Technology and its facts. New Delhi, Manak, 1998.

Unesco: Reference Manual and CDS/ISIS Pascal Manual, 1989.

Elective Paper 3.5: INFORMATION SOURCES ON SOCIAL SCIENCES AND SCIENCE & TECHNOLOGY

Unit 1: Print sources: on various subject -Encyclopedia, biographical sources, geographical sources, statistical sources, year books, directories, Almanacs, bibliography, abstracting, indexing sources including Citation Indexes.

Unit 2: Databases: Types of databases – bibliographic database, full text database, factual information resources and databases; Subject based databases – like engineering (compendex), medical (pubmed), Biological science (biological abstracts) social sciences, physics, chemistry (chemical abstract), and other subject

Unit 3: Electronic information sources: Electronic Information resources: Meaning and definition, Growth and development, Types- E-Journals, e-Books, e-Theses, e-newspapers, Blogs, Wikis.- Free online Dictionaries, Non-free online dictionaries, Free Thesauri. - Encyclopaedia, Virtual Libraries, Subject gateways and Portals

Unit 4: Electronic and Internet resources including information services and facilities; OCLC, FERA, UGC-INFONET, NASSDOC, ISID, SOSIG, REPEC, DELNET and CSIR e-journal Consortia. Databases: Science - INSPEC, Web of Science, Scopus. Social science-EconLIT, JSTOR, Indiastat.com, ERIC, EBSCO, JCCC.

Unit 5:Search Engine: OPAC and Web OPAC, Directories, Subject gateways, Internet Search engine, Meta search engine: Searching strategy, search logic

Unit 6: Guidelines for finding authentication resources on Internet;

Unit 7: Intellectual property rights; copyright, patent, plagiarism; tools for checking plagiarism, Different citation styles

References

Davinson Donald: Reference service. London, Clive Bingley, 1980.

Gopinath, MA: Information Sources and Communication media. DRTC Seminar volume 1974.

Grogan, Denis: Science and Technology. Ed.4. London, Clive Bingley, 1982.

Guha, B: Documentation and Information Services: Techniques and Systems. Rev. Ed.2. Calcutta, World Press, 1983.

Higgens, gavin: Printed Reference Materials. London, Library Association, 1980.

Katz WA: Introduction to Reference work. Ed.5. Vol.2 New York, Mc-Graw Hill, 1989.

Krishna Kumar: Reference Service. Rev. Ed. 3. New Delhi, Vikas, 1987.

Lea, Peter W: Printed Reference Materials. Ed.3 London, Library Association, 1990.

Lea, Peter Wand Day, Alan: Reference Sources Handbook. Ed 4. London, Library Association, 1996.

Maizell, RE and Others: Abstracting Scientific and Technical Literature. New York, Wiley, 1970.

Parker, c.c. and Purely: Information Sources in Science and Technology. Ed.2. 1986.

Ranganathan, SR: Reference Service Ed 2. Bangalore, Sarada Rangnathan Endowment for Library Science, 1992.

Rowley, JE and Turner: CMD: Dissemination of Information. London, Andru Deutach, 1975.

Rowlay, JE and Turner: Reference Service and sources of Information. New Delhi, Ess Ess publications, 1987.

Sewa singh: Handbook of Reference and Information Services. New Delhi, Crest Publishing house, 1997.

Sharma, JS and Grover, DR: Reference service and sources ofInformation. New Delhi, Ess Ess publications, 1992.

PAPER 3.6: INFORMATION PROCESSING AND RETRIEVAL (PRACTICAL) - I

Cataloguing of Non-Book Materials: Audio/Video recording, Computer generated files including web resources according to the latest edition of AACR-II(R)

Creation of Index Records using the methodologies of chosen indexing systems such as PRECIS

PAPER 3.7: INFORMATION AND COMMUNICATION TECHNOLOGY (PRACTICAL) - III

- MARC21 Tags
- Design and Development of database using WINISIS
- Design and development of digital library using Green Stone Digital Library (GSDL).
- SPSS: Chi-Square, Co-relation, T-test, ANOVA. Formulation of objectives, Hypothesis,
 Designing of questionnaire

(Each Student shall compulsorily maintain practical record and submit the same at the time of practical examination)

Fourth Semester

PAPER 4.1 INFORMATION AND COMMUNICATION TECHNOLOGY (THEORY) - II

Unit 1: Telecommunication: Signals -analog/digital. Transmission media -Pair of wires, Coaxial, Optic fibers, Satellite communication; V-SAT, Wi-Fi, Microwaves, Modulation: AM & FM.

Unit 2: Networks: Concept, Definition, Need, Uses, Network Topologies, Types of Networks - LAN, MAN and WAN. Network interface cards, Hubs, Routers and gateways. Network Architecture: Comparison of Different Network Architectures; Network Protection and Security.

Unit 3: Communication Networks: NICNET, BSNL and ERNET. Library Networks in India: INFLIBNET, DELNET, CALIBNET. Consortia – Concept, Definition, Need, Types, Criteria for Selection of Consortia.

Unit.4: Electronic communication: Video Conferencing, Screen Sharing and E-mail. E-commerce, Network Protocols: TCP/IP, SMTP, FTP, HTTP

Unit.5: Internet for Library Applications: Collection Development, Technical processing Circulation, Internet resources and facilities, Internet Based Services

Unit 6: Cyber Laws: Electronic Document, DRM – Digital Signatures, Digital Certificates, Electronic Contracts, Regulation of Cyber Laws, IT act, 2000 (Govt. of India) and its Amendments, Digital Millennium Copyright Act. Cyber Crimes: Types.

Unit 7: Web: Evolution of Web- Web 1.0, Web 2.0, Web 3.0, Web 4.0. Web Designing: Tools, HTML, Evaluation Criteria.

References

Dawson, Andy: Internet for Library and Information Service professional. Ed 2. London, ASLIB, 1997

Douglas, E Corner: The Internet. Ed 2. New Delhi, Prentice - Hall of India, 1999

Douglas, E Corner: Internetworking with TCP/IP. VoU: Principles, protocols and architecture. Ed 4. Prentice hall, 2000.

Douglass E Corner and Ralph E Proms: Computer Networks and Internals. Ed 2. Prentice Hall, 1999.

Fecko, Marry Betch: Electronic Resources: Access and issues. London, Library Association, 1996 Malwad, N M and et al: Digital Libraries. New Delhi, New Age International Limited, 1996.

Moorthy, A L: Information Technology applications in academic Libraries in India with emphasis on networking services and information sharing. Ahmedabad, INFLIBNET, 1997.

Ormes, Sarah: Internet, Networking and Public library. London, Library association publishing, 1997.

Parthasarathy, S: Computer application to Libraries, IR and Networking. Bangalore, Sarada Ranganathan Endowment for library science, 1986.

Satyanarayana, R: Information Technology and its facets. New Delhi, Manak (P) Limited, 1996.

PAPER 4.2 DIGITAL LIBRARIES

Unit 1: Digital library: Meaning and Definitions, Objectives, Characteristics, Evolution, Digital library collections. Digital Library Initiatives: NDLTD, NDL.

Unit 2: Digitization: tools and techniques, book scanners, scanning software, OCR, Document Management System.

Unit 3: Digital File Format- electronic documents, files and file formats. Study of different file formats- JPEG, MPEG, GIF, TIFF and PDF. Born digital and legacy documents.

Unit 4: DL architecture: Elements of a DL, DOI, Open URL, CrossRef and other aspects. Metadata
MARC21, DublinCore, TEI, METS, EAD and VRA Core and other resource discovery issues.
Access Control and DRM, security and preservation issues

Unit 5: DL software. Studying the features of GSDL. Installing and developing a prototype using GSDL. Studying Dspace and understand the features of Dspace

Unit.6: Content Management Systems: Portals and Virtual Libraries, Softwares – Joomla, Drupal, Wordpress and Moodle. Understanding the deep web. Data validation, Data mining, Data Warehousing.

Unit. 7: Digital Library Management: Resource linking, Security and backup.

References

- **C. Xavier.** World Wide Web Design with HTML. New Delhi : TMH, 2000.
- **G. G. Chowdhury.** Introduction to Digital Libraries. London: Facet Publishing, 2003.

Leona Carpenter, Simon Shaw & Andrew Prescott. Towards the Digital Library. London: LA, 1998.

Lovecy,lan. Automating library procedures: a survivor's handbook. London: Library Association, 1984.

Paul Pedley. The invisible Web: Searching the hidden parts of the Internet. London: Aslib, 2001.

Reynolds, Dennis. Library automation: Issues and applications. New York: Bowker, 1985.

Satyanarayana, N. R. A manual of computerization of libraries. New Delhi: Viswa Prakashan, 1995.

PAPER 4.3 (a): PUBLIC LIBRARY SYSTEMS AND SERVICES

Unit 1: Public Libraries: Meaning and Definition, objectives, Functions and role; History and Development of Public libraries in India including the role of Government and Non-Government agencies in India, UPLM (UNESCO Public Library Manifesto) ¬1949,1972, 1994, 1996

Unit 2: Public Library Legislation: Need and Importance. Public Library Acts in UK, USA, and India. Karnataka State Public Library Act 1965 and its amendment.

Unit 3: Public Library Users: Categories and their Information Needs, User Education; User Studies

Unit 4: Collection Development: Policies, Procedures and Problems. Resource Sharing and Networks, Examples of public library networks in USA, UK and India.

Unit 5: Human Resource and Financial Management: Size, type; selection and recruitment including cadre and recruitment rules. Qualification. Knowledge and skills, duties and responsibilities, Performance Evaluation and Continuing Education Programs (CEP). Finance and budgeting: Sources of finance, Preparation of Budget.

Unit 6: Public Library Services: Planning and Organization of various types of information services to the different categories of users. Library Publicity and extension activities, exhibition, seminar, book talks audiovisual programs; Mobile Library services;

Unit 7: Role of National and International Associations and Organizations: Raja Ram Mohan Roy Library Foundation, UNESCO, IFLA.

References

UNESCO: UNESCO Public Library Manifesto. (1994)

ALA: Library Building and Equipment Institute, Guidelines for Library planners. Chicago, ALA 1960.

ALA: Minimum standards for Public Library Systems Chicago, ALA, 1966.

Altm man (ElIen), Ed: Local Public Library Administration in Association with international City Management Association. Ed.2 Chicago, ALA, 1980.

Jefferson: Library co-operation. London, Andre Deutsche, 1966.

Eaton, T Ed.: Contribution to American Library History. Champaign, Union Book Store, 1961.

Kesavan, BS: National Library of India. Calcutta, National library, 1961.

Kaula, PN: National Library of India: Critical Study. Bombay, Somaiya, 1970.

McColvin, LR: Public Library Extension. Paris, USESCO, 1951.

McColvin,LR: Public library System of Great Britain; Report on its Present conditions with proposal of reorganization. London, Library Association, 1942.

Mittal, RL.: Public Library Law. Delhi, Metropolitan, 1971.

Penna,C.A and others: National Library and Information Services: Handbook for planned. London, Butter worths, 1977.

Ranganathan, S.R. and Neelamegahan, A Ed.: Public Library System .Bangalore, Sarada Ranganthan Endowment, 1972.

Ranganathan, S.R., Library Legislation: Handbook of Madras Library Act. Madras Library Association, 1958.

PAPER 4.3 (b): ACADEMIC LIBRARY SYSTEMS AND SERVICES

Unit-1: Academic Libraries: Meaning and Definition, Aims and Objectives, Functions, Characteristics and their role in an academic Environment: Brief History and Development of Academic Libraries in India.

Unit-2:Role of the Organizations in Academic Library Development: Role of UGC in Development of Academic Libraries, Powers and Functions of UGC, Committees Constituted by UGC for the development of College and University Libraries. Academic Libraries and New Education Policy.

Unit-3: Collection Development and Management in Academic Libraries: Meaning, Definition, Ideal Characteristics of Academic Library Collection, Book Selection Procedures, and Problems of Collection Development. Traditional Book Shops, Online Book Shops, URL's-Advantages. Preservation and Conservation. Weeding, Resource Sharing, Academic Library Networks, Role of INFLIBNET.

Unit-4: Library Users: User Categories, Information Needs, User Studies, User Education, Information Literacy.

Unit-5 Library Services: Reference Services, CAS Services, SDI Services, Abstracting and Indexing Services, Email Alerting Services, Electronic Document Delivery Services (EDDS), Data base Services. (Design and Planning of Various Library and Information Services including Evaluation).

Unit-6: Library Building: Need, Objectives, Design, Planning, Factors, Furniture's and Equipments.

Unit-7: Human Resource and Financial Management: Nature, Size, Selection and Recruitment, Qualifications Knowledge and Skills, Duties and Responsibilities, Training, Education and Performance Evaluation. Finance: Sources, Mobilization Budget Preparation.

References

Fussiler Herman H: Functions of the library in the modem college. Chicago,

Gelfand, MA: University libraries for developing countries. Paris, UNESCO, 1968.

Lyle, GR: Administration of the college Library. Ed. 4, New York, Wilson, 1974.

Metcalf, KD. Ed: Studies in administrative problems. New Blumswick, Rutgers University press, 1960.

Ranganthan, SR: School and college libraries. Madras, Madras Library Association, 1942.

Wilson, LR and Tauber, MF: University Library. Ed.2, New York, Columbia University press, 1956.

Datta, Marinder: Academic Status for Upiversity and college Libraries in India. Delhi, IBB,1986.

Duvery, Peter: Staff Management in University and college Libraries. Oxford, Fergamn, 1976.

Saini, AB: Library Organization for Higher education. Delhi, Ess Ess publications, 1986.

Sahai, Shri Nath: Academic library system, Ess Ess Publications, New Delhi, 2009

PAPER 4.3 (c): HEALTH SCIENCE LIBRARY SYSTEMS AND SERVICES

Unit 1: Health Science Library: Concept, Definition, Objective, Functions and Characteristics, growth and Development. Library Users: Categories and their Information Needs, User Education; User Studies

Unit 2: Information sources and services: A Survey of the basic resources used to locate information in the fields of medicine, nursing, allied health and healthcare administration, along with an information to the traditional and innovative services offered by health science libraries. Databases and electronic resources in medical and related areas, ADONIS

Unit 3: Collection Management: Collection Development Policies, Procedures and methods, resource Sharing and Networks, Conservation, Preservation, Evaluation and Weeding

Unit 4: Human Resources and Financial Management: nature, Size, Selection and recruitment, Qualification, Knowledge and Skills, Duties and responsibilities, Performance Evaluation and

Continuing Education program. Finance and Budgeting: Sources of Finance, Budget preparation and Management.

Unit 5: Library Services: Design and Planning of various types of information services to different categories of users including doctors, nurses and patients. National Information polices: Development of National information polices in the health and welfare area; exploitation of local information; access to external information.

Unit 6: Library Building: Design, Planning, Factors, Furniture and Equipment

Unit 7: Health Science information and global issues: The role and functions of National Library of Medicine, USA and its services; National and International organizations delivering health science information: WHO, ICMR; Department of Biotechnology, Council of Ayurveda and Siddha; Council of Homeopathy; Unani system: National Institute of Health and Family Welfare; CFTRI, NIN, CDRI, NIMHANS, and others.

References

Varalakshmi, R S R: Information Services in Medical college libraries. 1993

Gupta, S Petal: Information Technology and Health Science Libraries. MLAI Special publication, 1993

Michael, Carmel ed.: Health care Librarianship and Information work. Ed.2 1995

Dixit, R P: Information Management in Indian Medical Libraries. 1995

Dossett, Patt, ed.: Handbook of Special Librarian ship and information Services.Ed. 6, 1992

Pushpa Dhyani: Information Science and Libraries. New Deli, 1990.

PAPER 4.4: PROJECT

Each candidate shall prepare a project on an approved topic under the guidance of a faculty member. The allotment of candidates for the project work shall be made at the end of the second semester.

PAPER 4.5: LIBRARY CLASSIFICATION (PRACTICAL) - II

Classification of documents according to the latest edition of Universal Decimal Classification Scheme.

(Each Student shall compulsorily maintain practical record and submit the same at the time of practical examination)

PAPER 4.6: INFORMATION AND COMMUNICATION TECHNOLOGY (PRACTICAL) - II

Acquaintance with the use of Internet Resources and Services. Acquaintance with search engines and the search options and search techniques. Web Page Designing and Publishing on Net – Using Notepad and HTML Editors (Expression Web).

CMS Software - Drupal/Wordpress/Joomla

(Each Student shall compulsorily maintain practical record and submit the same at the time of practical examination)

INTERNSHIP:

Each candidate shall compulsorily under go one-month's Internship in a reputed library attached to the institutions of higher learning or R & D Institution as part of IV Semester. The internship shall be undertaken immediately after the completion of IV Semester Examination (Theory and Practical)