

### Library Info. Science

Unit No.	Topic Name	Content
1	<b>Library Automation</b>	<ul style="list-style-type: none"> <li>• Automation need, purpose &amp; development of library automation in western country and India</li> <li>• Library Automation Software Packages developed by different type of agency open source software, free software, commercial software, software developed by institution and association.</li> </ul>
2	<b>Communication Technology</b>	<ul style="list-style-type: none"> <li>• Network Media, UTP Optical Fiber, Ethernet, Network interface card, Hubs, Routers, Modem.</li> <li>• Bus, Star, Ring Token Ring, etc.</li> </ul>
3	<b>INTERNET : Basic Features and Tools</b>	<ul style="list-style-type: none"> <li>• Web Servers, Web Tools and Search Engines.</li> <li>• Internet Security.</li> <li>• Teleconferencing, Tele-Facsimile, Tele-text and Videotext.</li> </ul>
4	<b>Digital Libraries</b>	<ul style="list-style-type: none"> <li>• Software and Hardware for Digital Libraries, OCR, Image Editing Software.</li> </ul>
5	Development of Academic Libraries	<ul style="list-style-type: none"> <li>• Taxonomy of Lib. Services; cost, constrains and evaluation of library services.</li> <li>• Financial Management of Academic Libraries (college and university): sources of Finance including UGC assistance.</li> </ul>
6	Staffing Pattern and Staff Development.	<ul style="list-style-type: none"> <li>• Norms And Patterns of staffing, categories of staff, Norms of UGC, AICTE, qualification, salary and Recruitment</li> <li>• Continuing Education Programms: Concept, need, objective and role of IFLA, UNESCO and National agencies.</li> </ul>
7	Resource sharing Programmes	<ul style="list-style-type: none"> <li>• INFLBNET: Programmes, objectives, functions, activities, services, future Strategy, UGC-INFONET and new programmes.</li> <li>• meaning, definition, growth, need and objectives, consortia in India like INDSET, FORSA, UGC-INFONET, CSIR-E journals, Consortia in other countries. IDAL, KERIS, CONCERT, CURL etc..</li> </ul>
8	Marketing	<ul style="list-style-type: none"> <li>• Information Product/services: News letter, Bulletin, Digest, Dossier, Technical inquiries, Indexing Bulletin, Subject Bibliography.</li> </ul>
9	Repackaging of Information.	<ul style="list-style-type: none"> <li>• Electronic Document Delivery.</li> <li>• UAP (Universal Availability of Publication.</li> <li>• Database type and use; Database intermediaries such as searcher, editor etc.</li> <li>• Analysis of information products using reference tools criteria.</li> </ul>
10	Information Storage & Retrieval System.	<ul style="list-style-type: none"> <li>• Metadata: MARC-21-856, Field, Dublin core, TEI, METS.</li> </ul>
11	Information Retrieval Process	<ul style="list-style-type: none"> <li>• E-Journals, Digital libraries, Web resources.</li> </ul>

	and techniques.	<ul style="list-style-type: none"> <li>• AI decision supportive system(DSS).</li> <li>• Information Retrieval Models.</li> </ul>
12	<b>Communication &amp; Network securities.</b>	<ul style="list-style-type: none"> <li>• Communication skills required for LIS</li> </ul>
13	<b>Tele- communications</b>	<ul style="list-style-type: none"> <li>• Role of Telecommunication Regulatory Authority of India (TRAI)</li> </ul>
14	<b>Engineering of Telecommunication</b>	<ul style="list-style-type: none"> <li>• Data and signal- Digital and Analogue data, Digital and Analogue signal, Carrier signals</li> <li>• Data encoding methods- Digital to Analogue and Analogue to Digital.</li> </ul>
15	<b>Network and Networking</b>	<ul style="list-style-type: none"> <li>• Type and Topologies of Computer Networks</li> <li>• Internet Communication</li> <li>• Communication Services (E-mail, Newsgroup and Teleconferencing)</li> <li>➤ Resource Access Services (File Transfer Protocol - FTP) and Telnet</li> <li>➤ Information Retrieval Services (WWW, Gopher, WAIS)</li> </ul>
16	<b>Digital Library</b>	<ul style="list-style-type: none"> <li>• Responsible organizations and agencies for the development of Digital Libraries Digital Library Conferences (JCDL, ECDL and ICADL)</li> </ul>
17	<b>Content Creation</b>	<ul style="list-style-type: none"> <li>• Features of PDF</li> <li>• Digitalization – scanning, OCRing and Conversion of PDF.</li> <li>• Need and importance of Digital Library Software</li> <li>• Main features of Green stone Digital Library.</li> </ul>
18	<b>Make up Languages</b>	<ul style="list-style-type: none"> <li>• Make up Languages- SGML, HTML and XML</li> </ul>
19	Effective Communication	<ul style="list-style-type: none"> <li>• Body language and common gesture.</li> </ul>
20	Statistical methods	<ul style="list-style-type: none"> <li>• Correlation liner and nonlinear, Correlation Coefficient- Karl Pearson and Ranking Correlation of two variables regarding Library, Users and statistics. Examples</li> <li>• Regression liner and nonlinear, Regression Coefficient of two regression line. Regression line of two variables regarding Library, Users and statistics. Examples</li> </ul>
21	Various testing method	<ul style="list-style-type: none"> <li>• ‘T’ test, ‘F’ test, ‘chi-square’ test,</li> <li>• Scaling method and testing,</li> <li>• SLI and its testing,</li> <li>• ‘Z<sup>2</sup>’ testing etc.</li> </ul>