

60

SECOND SEMESTER

PAPER-V- INFORMATION, COMMUNICATION AND SOCIETY

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UNIT-I- Data: Definition Types Nature, Properties and Scope. Information: Definition, Types, Nature, Properties and Scope. Comparative study of Data, Information and Knowledge.

UNIT-II- Information Generation and Communication: Definition, Types, Models, Process and Media. Generation of Information Modes and Forms. Information Theory. Information Diffusion Process.

UNIT-III- Knowledge: Structure and Development, Social Epistemology of Knowledge, Knowledge Generation to utilization, Learning Process and Theories.

UNIT-IV- Information and Society: Social Implication of Information, Information as an Economic Resources Knowledge and Societal Survival.



FOR COLLEGE ONLY

SS 454  
M-15  
P-16  
M-17  
2

UNIT-V- Barriers to Information Communication etc. Information Polices: National and International, Information Society, Knowledge Management.

**PAPER-VI-INFORMATION SOURCES, SYSTEMS AND PROGRAMMES**

SS 455  
M-15  
P-16  
M-17

UNIT-I- Physical Medium of Information. Print media, Multimedia and Hypertext. Non- Print Media: Microform, Electronic and Optical media.

UNIT-II- National Information Sources, System and Programs in Humanities, Social Sciences, Science and Technology. International Information sources, system and programmes in humanities Social Science Science and technology.

UNIT -III-Non -Disciplinary Studies. International oragnisation, content analysis and its correlation to clientele. Customized Organisationa of Information sources.

UNIT-IV- Content Analysis their Product & use. Aid to Information Sources, Library and Information Personnel. Design and Development\*of Database and Information System.

UNIT-V- Science and Technology Information Intermediaries.Design & Development Database and Information System.

**PAPER-VII- IFORMATION TECHNOLOGY :APPLICATIONS**

SS 456  
M-15  
P-16  
M-17

UNIT-I- Overview of Information Technology: Computer Technology Communication Technology Reprographic and Micrographic technology, Printing and Publishing Technology.

UNIT-II- Networking and Telecommunication: Definition, Data Transmission, Communications, channels, Transmissions Media. Switching Mechanism and Network Topology.

UNIT-III- Internet and its services: Origin and Development, Resources through Internet, Searching on the Internet (WWW, Subject Directories, Search Engines), Intranets, Database, DBMS. Data Ware housing: Dublin Core, DataMining,Z39.50, Meta Data,OAI.

UNIT-IV- Library Automation: library House Keeping Operations: Automated Acquisition, Automated Serial Control, Automated Circulation Control, Automated Cataloguing System, SOUL : Main features, Hardware and Software requirements. Its applications.

UNIT-V- Computerized Services: Alerting Service , Digital Library Management Concept, Online Search Services, Document Delivery Services, CD-ROM Database Products and Services.

3

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**COMPUTER PRACTICAL (50 MARKS)**

Internet search- Consortium Base Services and Portal Base Services

Operating System (Window , Uinx)

Bibliographical Data Base Management with special reference to practical of CDS/ISIS library automation practical with Special reference to SOUL package of INFLIBNET, CD-ROM Database search.

**PAPER-VIII-INFORMATION INSTITUTION, PRODUCTS AND SERVICES**

**UNIT-I-** Information Institution: Evolution and Growth. Information Centers: Types and their Organization. Data Centers and Referral Centers. Information Analysis and Consolidation Centers.

**UNIT-II-** Literature Searches and Bibliographies, Technical Enquiry Service, Document Delivery Service, Machine Translation and Role of National Translation Mission.

**UNIT-III-** Information Products Information Newsletter, House Bulletins, In- House Communications, Trade and Product Bulletins, State-of-the-Art Report, Technical Digests. Trend Report.

**UNIT-IV-** Database support services, Database: Types and Use, Database Intermediaries such as Searchers, Editors etc; On line Information Systems and Information Networks ,Information Standards for Database Design and Development.

**UNIT-V-** Study of AGRIS INIS, DEVSIS, MEDLARS, OCLC, BLDSC.

**CENTRE OF INFORMATION SOURCES AND PROGRAMMES:**

**A HUMANITIES (NATIONAL);**

1. Khuda- Baksh Oriental Public Library, Patna.
  2. Thanjavr Maharaja Serforiji Mahal Library.
  3. Indira Gandhi National Centre for the Arts New Delhi.
  4. National School of Drama.
  5. National Archives of India.
  6. Nehru Memorial Museum & Library.
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