

MLIS-304 Information Retrieval and Networks

Maximum Marks: 100

Maximum Allotted Hours: 100 (Classroom Teaching: 68 + Assignment: 19 + Seminar: 3)

Each Unit Allotted Hours: 20 (Classroom Teaching: 13 + Assignment: 4 + Seminar: 3)

Unit-1

- Information Retrieval System: Basic Concepts, Definition, Purpose, Function, Component and Kinds
- IR and the Internet: Introduction, Internet Services and tools, WWW, Impact of Internet on IR

Unit-2

- Information Generation and its Communications, Channel for Information Dissemination
- Communication Process and Media , LICs as Communication Information System
- Barriers to Communication and Information

Unit-3

- Searching and Retrieval: Introduction, The Search Strategy and its Prerequisite, The Pre-search Interview
- Searching process, Search facilities offered by the most Text Retrieval Software

Unit-4

- Search Techniques and Models: Boolean Search, Proximity Search, Truncation
- Retrieval Models; Cognitive, Probabilistic
- Retrospective Search Services

Unit-5

- Data Communication and Computer Networks
- Modern Switching Techniques: General Overview, Circuit, Store and Forward, Message and Packet
- LIS networks: NICNET, DELNET, JANET, INFLIBNET, OCLC
- ISO/OSI Model

Recommended Books

1. AMERICAN LIBRARY ASSOCIATION, etc. Anglo-American Cataloguing Rules. Rev. Ed. 2. 1998. Library Association, London.
2. Chowdhury. (G G). Introduction to modern information retrieval, 1st edition, 1999. L A Publishing. London,
3. Kent (A). Information analysis and retrieval, 3rd ed. 1971. Becker and Haheys, New York,
4. Lancaster (F W). Information retrieval systems: characteristics, testing and evaluation, 2nd ed. 1979. John Wilay, New York.
5. MILLER (Joseph), *Ed.* Sears List of Subject Headings. Ed 15.1994. Wilson, New York.
6. Vickery, B C : Techniques of information retrieval. 1970. Butterworth, London,
7. Kumar (Girija) and kumar (Krishna) – Theory of cataloguing.. 5th ed.. New Delhi. Vikas publishing house. New delhi.