COMPULSORY PAPERS

Paper – M-108- INFORMATION STORAGE AND RETRIEVAL SYSTEM

UNIT – I: Fundamental Concepts

Concept, Characteristics, Objectives, Types, Operations and Design

Compatibility of ISAR System

Information Retrieval Process and Search Strategy

Evaluation of ISAR System

Vocabulary Control Tools: Classification Schedules, Subject Heading Lists and Thesaurus

Need, Structure and Construction of Thesaurus

Principles and Evolution of Bibliographic Description

UNIT – II: Knowledge Management

Introduction to Indexing Systems

Introduction to Indexing in Corporate System

Introduction to Indexing in Research System

UNIT – III: Bibliographic Description

Rules for Bibliographic Description

Standards for Bibliographic Record Formats

Metadata Concept

Metadata Standards: Dublin Core, MARC 21, etc.

UNIT – IV: Search Techniques and Information Retrieval

Man and Machine Retrieval System

Search Strategies: Boolean Operations, Proximity Search, Heuristic Search, Navigational Search, etc.

Internet Searching and Meta Search Engines

Data Mining, Data Harvesting and Semantic Web

Knowledge Management Retrieval

Recommended Books

1. **CHOWDHURY (G G)**. Introduction to modern information retrieval. 1999. Library Association, London.

2. **CLEVELAND (Donald B)** and **CLEVELAND (Ana D)**. Introduction to indexing and abstracting. 2001. Libraries Unlimited, Colorado.

3. **FOSKETT (A C)**. Subject approach to information. Ed.5. 1996. Library Association, London.

4. **GOSH (S N)** and **SATPATHI (J N)**. Subject indexing system: concepts, methods and techniques. 1998. IASLIC, Calcutta.

5. **KORFHAGE (R R)**. Information storage and retrieval. 1997. John Wiley, New York, USA.

6. **LANCASTER (F Wilfred**). Vocabulary control for information retrieval. Ed. 2. 1985. Information Resource Press, Arlington.

7. **LANCASTER (F Wilfred**). Indexing and abstracting in theory and practice. Ed. 3. 2003. University of Illinois, Urbana.

8. **ROWLEY (J)**. The basics of information system. Ed. 2. 1996. Library Association, London.

9. **SOERGEL (D)**. Indexing languages and thesauri: construction and maintenance. 1974. John Wiley and Sons., New York.

10. **WALKER (G)** and **JANES (J)**. Online retrieval: a dialogue of theory and practice. 1993. Libraries Unlimited, Englewood, London.