

**MODEL ANSWER**

**AS-2395**

**M. Lib. I. Sc (First Semester) Examination, 2013**

**Library and Information Science**

**INFORMATION RETRIEVAL (THEORY)**

**Paper: Third**

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**Section-A**

**(Objective Type Questions)**

1. Choose the correct answer:

i. Avoiding of retrieving the unwanted item is called.....

Answer: C. **Precision**

ii. A set of records is called....

Answer: C. **File**

iii. Who developed the Chain Indexing System?

Answer: C. S. **R. Ranganathan**

iv. Which year Dereck Austin developed the term PRECIS?

Answer: B. **1984**

v. Who developed the Automatic Indexing System?

Answer: A. **Herbert Ohlman**

vi. The Thesauri that allow only one term to denote a concept for the purpose of indexing and searching is called...

Answer: C. **Controlled Thesauri**

vii. Semantic web collaboration movement led by whom?

Answer: B. **W3C**

viii. Which of the following is a web browser?

Answer: B. **Safari**

ix. What is the full form of CCF?

Answer: B. **Common Communication Format**

x. Universal Bibliographic control (UBC) is programme of which organization?

Answer: C. **IFLA**

## Section-B

### (Descriptive type Questions)

2. What is information retrieval? Discuss its objectives, functions and components with suitable diagram?

Answer: Introduction

Objectives

Functions

1. To identify the relevant sources to the users
2. To analyse the contents of the sources of documents
3. To represents the contents of analysed sources matching to users query
4. An IRS must analyse the user's queries & represent them in a form that will be suitable for matching the database
5. An IRS must match the search statement with the stored database
6. An IRS must retrieve the relevant information
7. An IRS must be able to make continuous changes

Components

1. Document Subsystem
2. Indexing Subsystem
3. Vocabulary Subsystem
4. Searching Subsystem
5. User Interface System
6. Matching Subsystem

Conclusion

3. What is post-coordinate indexing system? Discuss the different post-coordinate indexing systems?

Answer: Introduction

Different post-coordinate indexing systems

1. Uniterm Indexing System
2. Peek-a-boo or optical coincidence
3. Edge-notched cards
4. Dual Dictionaries
5. Field punched cards
6. Magnetic tape or disk
7. Zata coding System

Conclusion

4. What is Indexing Language? Discuss the types and characteristics of indexing language?

Answer: Introduction

Definitions

Types of Indexing Language

1. Natural Indexing Language
2. Free Indexing Language
3. Controlled Indexing Language

Characteristics of Indexing Language

1. Vocabulary
2. Semantic Structure
3. Syntactic Structure
4. Syndetic Structure

Conclusion

5. What is search strategy? Describe in brief various search strategy?

Answer: Introduction

Different search strategy

1. Keyword and Phrase
2. Keyword and Subject Search
3. Boolean Search
4. Range Search
5. Proximity Search
6. Navigational Search
7. Truncation Search
8. Heuristic Search

Conclusion

6. Give an overview about bibliographic description?

Answer: Introduction

Scope

Objectives

Models of Bibliographic Description

1. FRBR
2. UKOLN's
3. XOBIS

Principles of Bibliographic Description

1. Entities, Attributes and Relationships
2. Bibliographic Description
3. Access points
4. Authority Records
5. Foundations of search capabilities
6. Display

Conclusion

7. What is the compatibility? Discuss the various principal issues of compatibility of an information storage and retrieval system?

Answer: Introduction

Functions

- a. Resource Sharing
- b. Exchange of large bibliographic files
- c. In automated co-operative environment compatibility is the greater impact to maintained the standards
- d. In automated situation absence of compatibility leads to loss of efficiency

Principle issues

1. Users need for information
2. Flow of information carries to immediate information needs
3. Processing of information and documents according to the user needs
4. Storage, retrieval and dissemination aspects of information banks
5. Human element as generator, mediator, and user of information
6. Information system elements
7. Management of information system
8. technical compatibility of communication process and operation
9. Information language used

Conclusion

8. What is the role of computers in bibliographic control? And mention the various UKMARC record fields?

Answer:

Role of Computers in Bibliographic Control

Introduction

MARC Family

Library software's

UKMARC

UKMARC Structure

1. Leader
2. Record Directory
3. Control Fields
4. Variable Fields

UKMARC Sections

1. Record Label
2. Directory
3. Fields