

**MASTER OF LIBRARY & INFORMATION SCIENCES**  
**Third Semester**  
**INFORMATION RETREIVAL**  
**(MLS - 301)**

**Duration: 3Hrs.**

**Full Marks: 70**

Part-A (Objective) =20  
Part-B (Descriptive) =50

**(PART-B: Descriptive)**

**Duration: 2 hrs. 40 mins.**

**Marks: 50**

**Answer any four from Question no. 2 to 8**  
**Question no. 1 is compulsory.**

1. Write short notes any two: (5+5=10)
  - A. Proximity search
  - B. Computerized abstracting
  - C. Subject Heading
  - D. Vocabulary control
2. "Natural languages can't be used as indexing language due to certain obvious limitations associated with those languages". Discuss the validity of the statement. (2+8=10)
3. What is inverted file? Describe the application of the Information Retrieval. (2+2+6=10)

What is the relation between recall and precision?
4. What is the major objective of Information Retrieval System (IRS)? Explain natural, free and controlled indexing languages with suitable examples. (4+2+2+2=10)
5. Define Content analysis? Explain the purpose and use of content analysis in the area of social science research. (4+4+2=10)

6. What is a search engine? What are its different types? How you will be evaluating a search engine? (2+2+6=10)
7. "A range of search techniques are used in the libraries to retrieve information pinpointedly and exhaustively". Discuss the different search techniques you are familiar with in the light of the above statement. (10)
8. What is a thesaurus? Discuss the principles of design and development of a thesaurus. (2+8=10)

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**Duration: 20 minutes**

**Marks – 20**

**(PART A - Objective Type)**

**I. Choose the correct answer:**

**1×10=10**

- a. MARC was introduced in the year  
i) 1960      ii) 1966      iii) 1970      iv) 1980
- b. SQL is a  
i) Database manipulation language      ii) Database query language  
iii) Systematic query language      iv) Semantic query language
- c. ISBD stands for  
i) International Standard Book Description.  
ii) International Standard Bibliographic Description.  
iii) International Standards for Books Description.  
iv) None of the above.
- d. The term 'Index' comes from the  
i) Latin word 'indexure'      ii) Greek word 'indexus'  
iii) Latin word 'indicare'      iv) It is a English word
- e. The publisher of the 'Sears List of Subject Heading' is  
i) HW Collins      ii) RR Bowker  
iii) HW Wilson      iv) Library of Congress
- f. APUPA pattern of arrangement of documents in library stack was proposed by  
i) SR Ranganathan      ii) CR Karisidappa  
iii) Eugene Garfield      iv) CA Cutters
- g. The indexing system developed by G. Bhattacharya based on the principles of SR Ranganathan is  
i) PRECIS      ii) POPSI  
iii) COMPAS      iv) Chain
- h. Thesaurus is a tool for  
i) Pre-coordinate indexing      ii) Vocabulary control  
iii) Index      iv) Information retrieval
- i. Find the odd one from the following:  
i) Google      ii) Bing  
iii) AltaVista      iv) Opera

- j. If you want to define your tags yourself in a web document, you will be using
- i) HTML
  - ii) CSS
  - iii) XML
  - iv) JavaScript

**II. Answer the following questions as directed:**

**2×5=10**

- a. Match Set A with Set B the following:

**Set A**

- i. POPSI
- ii. KWIC
- iii. Bing
- iv. Google chrome

**Set B**

- a. Browser
- b. Pre-coordinate indexing system
- c. Post-coordinate indexing system
- d. Search engine

- i) i – a, ii – c, iii – b, iv – d
- ii) i – b, ii – c, iii – d, iv – a
- iii) i – c, ii – d, iii – a, iv – b
- iv) i – c, ii – a, iii – d, iv – b

- b. Read the following statements and choose the correct option given:

Statement 1: Synonym and Homonym are two problems with natural languages to be used as indexing language.

Statement 2: Problem of synonym and homonym can be solved by using standard tool for subject heading.

- i) Only statement 1 is true
- ii) Only statement 2 is true
- iii) Both the statements are true
- iv) None is true

- c. Read the following statements and choose the correct option given:

Statement 1: DTD stands for Document Type Definition.

Statement 2: CCF stands for Content Creation Format.

- i) Only statement 1 is true
- ii) Only statement 2 is true
- iii) Both the statements are true
- iv) Both the statements are true

- d. Choose the correct option/s to fill up the statements:

In AACR2R rules, edited book should be rendered under..... of the book in the main entry and added entry is prepared for.....

- i) Title, Editor/s
- ii) Title, Editor/s
- iii) Main editor, co-editor/s
- iv) Main title, sub-title

- e. PRECIS system was developed by..... while Chain Indexing system by.....

- i) G. Bhattacharya, SR Ranganathan
- ii) Alen Pitcherd, Library of Congress
- iii) Dereck Austin, SR Ranganathan
- iv) Dereck Austin, G. Bhattacharya

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