

P.G. Semester-II Examination, 2023

Library and Information Science

Course ID : 23757

Course Code : LIS-207-CC

Course Title : Information Representation and Retrieval

Time : 4 Hours

Full Marks : 80

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Write short notes on any **four** of the following:

5×4=20

- a) UNITERM
- b) Role operators in PRECIS
- c) Thesaurofacet
- d) Taxonomies
- e) Multimedia IR
- f) Cognitive Model
- g) Search Engine

2. Answer any **five** of the following questions:

12×5=60

- a) What is Information Retrieval System? Describe the function of an IR system. Justify the importance of Subject Headings in Information Retrieval. 2+5+5

- b) Define Indexing. Describe the Chain indexing process with suitable example. 2+10
- c) What do 'pre'- and 'post'- signify in the pre-coordinate indexing and post-coordinate indexing systems? Distinguish between pre-coordinate indexing and post-coordinate indexing. Briefly discuss the Assigned Indexing. 3+5+4
- d) Explain natural language Vs indexing language. Explain different types of Vocabulary Control devices. 5+7
- e) Define Control Vocabulary. What are the purpose of it. Discuss the hierarchical relationship of Thesaurus. 3+4+5
- f) Define Digital IR and mention their types. Discuss the Boolean logic model of Information Retrieval. 5+7
- g) What do you mean by Meta Search Engines? Illustrate the mechanism of Web Crawling. Explore the advantages of Proximity Searching. 2+4+6
- h) Explain Cranfield Research Project II and TREC Project. 6+6

[Turn over]