3. A. Discuss an inference engine in the context of expert system. State the differences between a traditional information retrieval and a cognitive information retrieval. 8+7

OR

B. What is entanglement? How is entanglement related with semantic spaces in the context of Quantum Information Retrieval (QIR)? 5+10

4. Write short note on any *one*: 5×1=5

a) Audio retrieval

b) Generative AI

MASTER OF LIBRARY AND INFORMATION SCIENCE EXAMINATION, 2024

(1st Year, 2nd Semester)

INFORMATION RETRIEVAL - II

PAPER – ML-10

Time : Two hours   Full Marks : 50

Answer *all* questions.

1. A. Explain Similarity Coefficient (tf-idf) with suitable examples. Illustrate different access mechanisms to inverted files with suitable examples? 7+8

OR

B. What is information extraction? What are the different applications of cross-language information retrieval in everyday life? 5+10

2. A. What do you mean by NLP? Explain different kinds of Parsing with examples. 5+10

OR

B. Write briefly on the following: 5×3=15

i) Hashing

ii) Speech retrieval

iii) CBIR

[Turn over