OR

b) What is inverted file? Explain the different access mechanisms of inverted file. Explain similarity-coefficient with suitable examples. 2+7+6

3. a) What do you understand by Observables? Elaborate Concept Combination in the context of QIR. Explain the concept of Superposition in relation with word ambiguity in IR. 3+7+5

OR

b) i) Explain Audio information retrieval.

ii) What is Absolute syntax? State the relationship between Absolute syntax and Linguistic syntax in the context of cognitive IR. 8+(4+3)

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

a) Function-Driven model of image mining

b) Artificial intelligence

c) Bits and Qubits in QIR

Ex/ML-10/2023

MASTER OF LIBRARY AND INFORMATION SCIENCE EXAMINATION, 2023

(1st Year, 2nd Semester)

INFORMATION RETRIEVAL – II

PAPER – ML-10

Time : Two hours   Full Marks : 50

The figures in the margin indicate full marks.

Answer *all* the questions.

1. a) What is parsing? Explain top-down and bottom-up parsing with suitable examples. What do you understand by Cross-Language Information Retrieval (CLIR)? 3+6+6

OR

b) What is image mining? State the differences between image mining and traditional data mining. Explain the techniques used in image mining. 3+4+8

2. a) Explain Cognitive Information Retrieval? State the factors that transform an IRS into a cognitive one? Elaborate Human-Computer Interaction (HCI) as part of Interactive Information Retrieval (IIR). 3+5+7