



KENYATTA UNIVERSITY

EXAMINATION FOR THE DEGREE OF DEGREE OF MASTER OF LIBRARY AND INFORMATION SCIENCE

ISC 804: INFORMATION RETRIEVAL

1ST SEMESTER 2021/2022

TIME: 2 HOURS

INSTRUCTIONS: Answer any **THREE** questions.

- Q1. An information retrieval system should meet certain criteria in order to meet its objective. Discuss the basic criteria you would use to evaluate an information retrieval system. (20 marks)
- Q2. Distinguish between the following set of terms as they relate to information indexing and retrieval. (20 marks)
- a) Relevance, Recall and Precision
 - b) Specificity and exhaustively
 - c) Under what circumstances is high recall and high precision desirable?
- Q3. a) Discuss the differences between pre-coordinate and post-coordinate indexing. (10 marks)
- b) What are the strengths and weaknesses of natural language indexing in an information retrieval environment? (10 marks)
- Q4. a) What is the Semantic Web effort trying to accomplish? (10 marks)
- b) What challenges does that effort face and how might they be overcome? (10 marks)
- Q5. Compare and contrast three main information retrieval models. (20 marks)