NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

FACULTY OF COMMUNICATION AND INFORMATION SCIENCE

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

INFORMATION STORAGE AND RETRIEVAL

ILI2110

Supplementary Examination Paper

July 2017

This examination paper consists of 2 pages

Time Allowed:	**3 hours**
Total Marks:	**100**
Special Requirements:	**None**
Examiner's Name:	**E.Mupaikwa**

INSTRUCTIONS

1. Answer any four (4) questions
2. Each question carries 25 marks
3. Importance is attached to accuracy, clarity of expression and legible handwriting

MARK ALLOCATION

QUESTION	MARKS
1.	**25**
2.	**25**
3.	**25**
4.	**25**
5.	**25**
6.	**25**

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1. Discuss the sources of potential errors in the final set of search terms from when a user first identifies a need for information to the creation of the final query.

[25 marks]

2. Ranking is one of the most important concepts of information retrieval systems. Discuss the difficulties in applying ranking when Boolean queries are used.

[25 marks]

3. Describe the rationale why the use of proximity will improve precision versus the use of just the Boolean function. [25 marks]

4. Critique how the statement 'language is the largest inhibitor to good communication' applies to information retrieval systems. [25 marks]

5. Assess the similarities and differences between term stemming algorithms and n-grams.

[25 marks]

6. Critically analyse reasons for information storage and retrieval system evaluation, clearly highlighting the evaluation criteria. [25 marks]

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