

CHUKA



UNIVERSITY

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**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR OF SCIENCE IN
INFORMATION SCIENCE**

BSIS 403: ADVANCED INFORMATION RETRIEVAL

STREAMS: BSC (IS)

TIME: 2 HOURS

DAY/DATE: TUESDAY 30/03/2021

8.30 A.M – 10.30 A.M

INSTRUCTIONS:

Answer question one and any other two questions

Do not write anything on this question paper

QUESTION ONE (30MARKS)

- (i) Discuss **FIVE** pillars upon which information retrieval is based on. [10 marks]
- (ii) Analyze the main issues associated with automatic indexing. [15 marks]
- (iii) Explain **FIVE** factors that increase precision in information searching. [5 marks]

QUESTION TWO

- (i) Citing relevant examples, discuss **FIVE** commonly used protocols in information retrieval system. [15 marks]
- (ii) Explain **FIVE** skills required during indexing process. [5 marks]

QUESTION THREE

- (i) Describe **FIVE** major search engines in information retrieval. [15 marks]
- (ii) Using examples, explain **FIVE** comparison between data retrieval (DR) and information retrieval (IR) . [5 marks]

QUESTION FOUR (20 MARKS)

Citing relevant illustrations, analyze the concept “Boolean logic operators’

QUESTION FIVE (20 MARKS)

- (i) Describe five attributes of a text databases. [10 marks]
 - (ii) State and explain five factors to consider in selecting a browser. [10 marks]
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