



## TECHNICAL UNIVERSITY OF MOMBASA

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School of Humanities and Social Sciences

Social Sciences

### UNIVERSITY EXAMINATION FOR: BACHELOR OF INFORMATION SCIENCE

**HIS 4409: INFORMETRICS**

**SERIES: APRIL 2025**

**TIME: 2 HOURS**

**DATE: Pick DateApr 2025**

#### **Instructions to Candidates**

You should have the following for this examination

*-Answer Booklet, examination pass and student ID*

This paper consists of **FIVE** questions. Attempt question ONE (Compulsory) and any other TWO questions.

**Do not write on the question paper.**

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#### **Question One**

- a) Using an illustration, discuss the process of scholarly communication [10 marks]
- b) Using an illustration, explain **Five (5)** areas that encompasses informetrics [10 marks]
- c) Discuss **Five (5)** reasons for citation of a scholarly work [10 marks]

#### **Question TWO**

- a) Discuss **Five (5)** theories of scholarly communication [10 marks]
- b) Discuss **Five (5)** techniques used in informetric analysis [10 marks]

#### **Question THREE**

- a) Discuss **Five (5)** academic social network sites in relation to informetrics [10 marks]
- b) Using an illustration, describe the process of peer reviewing in scholarly communication [10 marks]

#### **Question FOUR**

- a) Discuss **Five (5)** possible areas machine learning can be applied in informetrics [10 marks]
- b) Highlight **Five (5)** information innovations research libraries can adopt in 21<sup>st</sup> century [10 marks]

#### **Question FIVE**

- a) Explain **Two (2)** areas of bibliometric study [10 marks]
- b) Discuss **Five (5)** advantages of AuthorLinks in a web-based system [10 marks]