



KISII UNIVERSITY

UNIVERSITY EXAMINATIONS

FIRST YEAR EXAMINATION FOR THE AWARD OF THE DEGREE OF DOCTOR OF PHILOSOPHY IN INFORMATION SCIENCE

FIRST SEMESTER 2021/2022

(FEBRUARY-JUNE, 2022)

DISC 901: ADVANCED RESEARCH METHODS IN INFORMATION SCIENCE

STREAM: Y1 S1

TIME: 3 HOURS

DAY: WEDNESDAY, 9:00 AM – 12:00 PM

DATE: 29/06/2022

INSTRUCTIONS:

- 1. Do not write anything on this question paper.***
- 2. Answer Question ONE (Compulsory) and any other TWO Questions.***

Question One

- Using relevant examples, explain the main types of research. (10marks)
- Explain what the concepts of reliability, replicability and validity mean in research and how they are important. (10marks)

Question Two

Identify a topic in the area of online information access and write a brief proposal following the criterion for scientific research. (20marks)

Question Three

- Discuss the categories of research on the basis of purpose. (10marks)
- Explain the concept research paradigm and its relevance in research. (10marks)

Question Four

Discuss the steps in scientific research explaining the relevance of each part.

(20marks)

Question Five

a) Explain the concept of mixed methods research and its advantages

(10marks)

b) Differentiate between positivism and post positivism concepts in research

(10marks)