



MACHAKOS UNIVERSITY

University Examinations for 2023/2024 Academic Year

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY AND SNE

YEAR TWO SEMESTER ONE EXAMINATION FOR

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EPS 902: SCIENTIFIC WRITING & PUBLICATION

DATE: _____

TIME: _____

INSTRUCTIONS: Answer Question **ONE (1)** and Any Other **TWO (2)**

SECTION ONE (20 MARKS)

QUESTION ONE COMPULSORY (30 MARKS)

- a) Giving examples differentiate between an alternative and null hypothesis (6 Marks)
- b) There are three different types of extraneous variables: Giving relevant examples, distinguish between each one (6 Marks)
- c) Giving relevant example where applicable discuss four types of qualitative research designs (8 Marks)

SECTION TWO (30 MARKS)

QUESTION TWO (15 MARKS)

Discuss seven (7) differences between quantitative and qualitative research (15 Marks)

QUESTION THREE (15 MARKS)

- a) Differentiate between Extraneous and intervening variable and explain how each is likely to influence the outcome of the study. (10 marks)
- b) Describe five reasons why literature review is done (5 marks)

QUESTION FOUR (15 MARKS)

- a) Discuss ten (10) procedures for checking and enhancing validity and reliability in qualitative research **(10 marks)**
- b) Describe five threats of internal validity **(5 marks)**

QUESTION FIVE (15 MARKS)

- a) Explain three important components of conceptual frame work **(6 marks)**
- b) differentiate between the following types of experimental designs **(6 marks)**
 - i. True experiments
 - ii. Quasi-experiments
 - iii. Factorial designs
- c) Explain the meaning of repeated measure in an experimental design **(3marks)**