

MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS 2023/2024 ACADEMIC YEAR FIRST YEAR FIRST SEMESTERE

SCHOOL OF EDUCATION MASTER OF EDUCATION

COURSE CODE: EPS 8214/SNE 8104C/EDU 894 COURSE TITLE: RESEARCH METHODS II

DATE: 7/12/2023

TIME: 1100-1400 HRS

INSTRUCTIONS TO CANDIDATES

Answer Question **ONE** and any other **TWO** questions

QUESTION ONE

a) Explain the following research concepts and provide relevant examples for each:

i. Sampling methods	(2 marks)
ii. Qualitative research	(3 marks)
iii. Quantitative research	(3 marks)
iv. Dependent variable	(3 marks)
v. independent variable	(3 marks)
b) Discuss three characteristics of a researchable problem	(6 marks)

QUESTION TWO

a) Explain the following statistical procedures commonly used in inferential statistics and provide brief and clear explanations for each:

	i.	T-test	(2 marks)
	ii.	Anova	(3 marks)
	iii.	Chi-square	(3 marks)
b)	Discus	ss and compare THREE qualitative data collection	techniques in terms of their
	strengt	ths and limitations, providing examples for each	(10 marks)
	QUES	STION THREE	
a)	How does levels of measurement affect the types of statistical analyses that can be applied to		
,	a varia	able during data analysis process?	(8 marks)
b) Examine the import		ine the importance of sampling methods in research	n design, providing specific
		bles to illustrate your points.	(12 marks)
	QUES	STION FOUR	
a)	Discuss the advantages of incorporating ethical considerations into scientific experiments		
,		ta collection.	(8 marks)
b) Explain the steps involved in conducting a thematic analysis of qualita		ysis of qualitative data (12 marks)	
	QUES	STION FIVE	
a)	a) Discuss the significance of the following key statistical concepts in the context of da		oncepts in the context of data
,	analysis, providing specific examples to illustrate their importance:		
	•	othesis Testing	(5 marks)
	• •	nificance level	(5 marks)
b)	U	in the concepts of false positives and false negative	
	-	g, providing real-world examples for each type of e	• 1

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