

Kasarani Campus Off Thika Road Tel. 2042692 / 3 P. O. Box 49274, 00100 NAIROBI Westlands Campus Pamstech House Woodvale Grove Tel. 4442212

Fax: 4444175

## KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY UNIVERSITY EXAMINATION, 2022/2023 ACADEMIC YEAR THIRD YEAR, FIRST SEMESTER EXAMINATION FOR THE BACHELOR OF SCIENCE IN COMPUTER SCIENCE KCS 400 – RESEARCH METHODOLOGY

Date: 16<sup>TH</sup> DECEMBER 2022 Time: 11:30AM - 1:30PM

(4 Marks)

## INSTRUCTIONS TO CANDIDATES

d)

ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS		
QUESTION ONE (30 MARKS)		
a)	With the knowledge of research, write an essay after your internship on the general understanding	
	of research.	(5 Marks)
b)	Explain what qualitative research is and what it involves	(5 Marks)
c)	In your opinion why should the society embrace research?	(6 Marks)
d)	Describe the observational design as used in research	(6 Marks)
e)	Explain the importance of literature review in research	(4 Marks)
f)	Differentiate between collection of data through questionnaires and schedules	(4Marks)
g)		
QUESTION TWO (20 MARKS)		
a)	Research employs different methods and instruments /Tools in data collection. Using	this
	statement discuss by considering quantitative and qualitative research	(7 Marks)
b)	Research in most cases play some roles, support this phrase using examples.	(8 Marks)
c)	List 5 limitations that a researcher is likely to encounter during the process of researcher.	h. (5 Marks)
	ESTION THREE (20 MARKS)	
a)	What is the meaning of the following terms as used in research?	(F. Maulza)
	i) Dependent variable	(5 Marks)
1- \	ii) Independent variable	(5 Marks)
b)	Elaborate the importance of reliability and validity in research	(10 Marks)
QUESTION FOUR (20 MARKS)		
a)	Write short notes on the first, fifth and eighth steps in the research process.	(10 Marks)
b)	List 3 factors that affect the sample size used in the process of research.	(3 Marks)
c)	Establish the problems encountered by researchers during the research process.	(7 Marks)
OUI	ESTION FIVE (20 MARKS)	
a)	According to your opinion, why do you think research is made to exist?	(7 Marks)
b)	When carrying out research ethical issues should be given a serious consideration.	(:)
,	Discuss.	(7 Marks)
c)	Differentiate between collection of data through questionnaires and schedules	(4 Marks)

Explain Four guiding considerations in the construction of questionnaire