



TECHNICAL UNIVERSITY OF MOMBASA

School of Humanities and Social sciences

Social Sciences Dept

UNIVERSITY EXAMINATION FOR:

BACHELOR OF SCIENCE IN DEVELOPMENT STUDIES Y3S1

BAC 4304 : Research Methods

END OF SEMESTER EXAMINATION

SERIES: June 2017

TIME: 2 HOURS

DATE: Pick Date Select Month Pick Year

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 1 (compulsory question) plus any other 2 questions.

Do not write on the question paper.

Question ONE

- a. Define the following terms as used in research:
 - i. Target population (2mks)
 - ii. Ordinal scale (2mks)
 - iii. Covert observation (2mks)
 - iv. Validity (2mks)
- b. Distinguish between Basic research and applied research (4mks)
- c. Outline four ways which a researcher can use to increase the return rate of questionnaires (4mks)

- d. By the use of examples, explain the difference between primary and secondary sources of literature. (6mks)
- e. Explain any four ways of collecting data using observation method. (8mks)

Question Two

- a. Suppose a researcher is interested in finding out if group revision results in better grades than individual revision during end of semester exams using correlational research design.
 - i. Explain how he would carry out the study (10mks)
 - ii. Give an advantage and a disadvantage of the above research design (4mks)
- b. Explain the procedure and importance of carrying out a pilot study (6mks)

Question Three

- a. Explain any four subheadings in chapter three and what should be included (8mks)
- b. By use of appropriate examples, explain the following sampling techniques
 - i. Simple random sampling (4mks)
 - ii. Stratified random sampling (4mks)
 - iii. Purposive sampling (4mks)

Question Four

- a. Discuss the contents of chapter four in a research report. (8mks)
- a. By use of appropriate examples, explain the following reliability estimates:
 - i. Test retest
 - ii. Parallel forms
 - iii. Inter rater reliability (12mks)

Question Five

- b. Describe any four characteristics of qualitative research (8mks)
- c. Describe the following ethical issues and explain how a researcher can guard against such practices:
 - i. Plagiarism (6mks)
 - ii. Deception (6mks)