



# TECHNICAL UNIVERSITY OF MOMBASA

## SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

### SOCIAL SCIENCES

#### UNIVERSITY EXAMINATION FOR:

#### BACHELOR OF SCIENCE IN DEVELOPMENT STUDIES BSDS Y3S1

#### BAC 4304: RESEARCH METHODS

**SERIES: DECEMBER 2016**

**TIME: 2 HOURS**

**DATE: 9 Dec 2016**

#### **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 ONE (Compulsory) and any other TWO questions.

**Do not write on the question paper.**

#### **Question One**

a. A researcher sets out to investigate the influence of gender on linguistic ability among students at Bahari college of development studies. The college is set on 20 acres of beach property beside the calm blue waters of the Indian Ocean. The students are in 5 departments as follows: Computer studies, 150 males and 25 females; Social work 43 males and 120 females; Media studies 70 males and 76 females; Counselling, 76 males and 63 females. He interviews 32 males and 30 females to find out their linguistic proficiency.

Form the above study, identify the following:

- i. Population and population size (4mks)
  - ii. Independent and dependent variables (2mks)
  - iii. Formulate two questions that the above study may seek to answer (4mks)
- b. Outline any three issues of ethical concern you would address when dealing with animals in research. (6mks)
- c. Enumerate three reasons why a researcher may choose interviews as a method of collecting data. (6mks)
- d. Explain four characteristics of quantitative research (8mks)

#### **Question Two**

a. Describe the concept, purpose, merits and limitations of the following:

- i. Participant observation (8mks)
- ii. Case studies (8mks)

- b. Differentiate between ordinal and nominal levels of measurement. Give suitable examples to illustrate your answer. (4mks)

**Question Three**

- a. Explain the purpose of literature review (8mks)  
b. Explain four essential components of an introductory chapter (chapter 1) of a research proposal (12mks)

**Question Four**

- a. Using suitable examples, describe four probability sampling techniques. Give suitable examples to illustrate your answers (12 mks)  
b. Explain four threats to validity (8mks)

**Question Five**

- a. a. Explain the goals of research (8mks)  
b. You are interested in carrying out a study on ‘The impact of devolved governments on service delivery in Mombasa County’  
i. Identify the dependent and the independent variables of the study. (2mks)  
ii. Suggest and describe a data collection method suitable for the above study.(5mks)  
iii. Enumerate the merits and demerits of the suggested method. (5mks)