



**TECHNICAL UNIVERSITY OF MOMBASA**  
***Faculty of Business & Social Studies***

DEPARTMENT OF BUSINESS STUDIES

DIPLOMA IN PROCUREMENT AND MATERIALS MANAGEMENT  
DIPLOMA IN LOGISTICS AND TRANSPORT MANAGEMENT  
DIPLOMA IN HUMAN RESOURCE MANAGEMENT  
DIPLOMA IN BUSINESS ADMINISTRATION

**BAC 2204/2202: RESEARCH METHODS/METHODOLOGY**

SPECIAL/SUPPLEMENTARY EXAMINATIONS

**SERIES: FEBRUARY 2015**

**TIME: 2 HOURS**

**INSTRUCTIONS:**

- This paper consists of **FIVE** questions.
- Answer question **ONE (Compulsory)** and any other **TWO** questions.

***This paper consists of Three printed pages.***

### QUESTION 1 (Compulsory)

- a) State the meaning of the following terms:
- i) Research (2 marks)
  - ii) Variable (1 mark)
- b) i) Outline **FOUR** characteristics of a good research question. (4 marks)  
ii) Describe how research questions are formulated. (3 marks)  
iii) Highlight **THREE** sources of a research topic. (3 marks)
- c) A student intends to carryout a research on: Effects of learning resources on the academic performance of University students”.
- i) Identify the dependent variable. (1 mark)
  - ii) Suggest **THREE** independent variables that will be relevant for the study. (3 marks)
  - iii) Draw a simple conceptual framework for the study. (3 marks)
- d) i) State **FOUR** characteristics of a good problem statement. (4 marks)  
ii) Explain the necessity for defining a research problem. (3 marks)  
iii) Outline the **THREE** steps that follow immediately after identifying and defining a research problem in research work. (3 marks)

### QUESTION 2

- a) i) What is census survey as applied in research. (1 mark)  
ii) Distinguish between a sample size and a sampling frame. (2 marks)
- b) Describe **FOUR** factors that determine the sample size to be used for research work. (8 marks)
- c) Explain any **THREE** non-probability sampling techniques. (9 marks)

### QUESTION 3

Differentiate between the following types of research designs, highlighting instances most suitable for each case.

- a) Descriptive research design. (5 marks)
- b) Exploratory research design. (5 marks)
- c) Case study (5 marks)
- d) Survey research design. (5 marks)

#### QUESTION 4

- a) A research methods; quantitative and qualitative approaches authored by Olive Mugenda and Andrew Mugenda in the year 1999 is a commonly used reference material. Using the above information, illustrate how citations are done:
- i) At beginning of a sentence (1 mark)
  - ii) In between a sentence (1 mark)
  - iii) At end of a paragraph. (1 mark)
- b) Describe the contents of Chapter **FOUR** and **FIVE** of a project report. (7 marks)
- c) Describe the advantages and disadvantages of using a questionnaire as a data collection tool. (10 marks)

#### QUESTION 5

- a) Research is considered as both a science and an art. Explain. (10 marks)
- b) i) Describe **THREE** advantages of stating hypothesis. (6 marks)
- ii) Give **FOUR** characteristics of good hypothesis. (4 marks)