



**PAN AFRICA CHRISTIAN UNIVERSITY**

**SCHOOL OF LEADERSHIP, BUSINESS AND TECHNOLOGY**

**END OF SEMESTER EXAMINATION FOR DIPLOMA IN LEADERSHIP AND  
MANAGEMENT**

**APRIL 2021 EXAMINATIONS**

**CAMPUS: ROYSAMBU**

**DEPARTMENT: LEADERSHIP**

**COURSE CODE: DLM102**

**COURSE TITLE: INTRODUCTION TO QUANTITATIVE METHODS**

**EXAM DATE:**

**TIME:**

**INSTRUCTIONS**

- **Read the instructions and questions carefully before you write the answers.**
- **Write your STUDENT NUMBER in the Answer Booklet given.**
- **Answer ALL questions in Section A and any other FOUR questions in Section B.**

**Section A: Answer All question in this section**

**Q(1)**

**FACTORS AFFECTING ONLINE LEARNING IN INSTITUTIONS OF HIGHER LEARNING IN KENYA. A CASE STUDY OF PAC UNIVERSITY.**

Given the above topic:

- i) State research problem in this study (2 marks)
- ii) State at least two specific objectives of the study. (2 Marks)
- iii) State and explain how you would carry out this study (2 Marks)
  
- iv) Name and explain briefly any two problems you may encounter in carrying out this study (2 Marks)

**Q(2).**

The following were the monthly Diaspora Remittances published by the Central Bank of Kenya for the last two quarters of the year 2016.

| Month        | Jul   | Aug   | Sep   | Oct   | Nov   | Dec   |
|--------------|-------|-------|-------|-------|-------|-------|
| KSh. million | 134.6 | 146.7 | 143.2 | 142.6 | 143.7 | 160.9 |

Required:

**a) Determine the following measures of central tendency**

- i) Mean (4 marks)
- ii) Median (4 marks)

**b) The following are monthly units of jeans produced by employees of an Export Processing Company.**

| Employee name | Martha | Jacinta | Colleta | Arnold | Stalone | Grace |
|---------------|--------|---------|---------|--------|---------|-------|
| Quantity      | 130    | 146     | 143     | 142    | 143     | 160   |

Required:

Determine:

- a) The mean (4 marks)
- b) The median (4 marks)
- c) The mode (4 marks)

**Section B: Answer any Two questions in this section.**

**Q3**

State and explain the following terms as used in research:

- a) Population (2 Marks)
- b) Sampling method (2Marks)
- c) Data analysis (2Marks)
- d) Questionnaire (2 Marks)
- e) Sample (2 Marks)

**Q4.**

Literature review might help to achieve a number of things (Mugenda, 2003).

- d) Explain 3 purposes of a literature review. (6 marks)
- e) Define Independent Variable and Dependent Variable (4 marks)

**Q5**

- a) Give FIVE reasons why a researcher should uphold ethics in research? (5 Marks)
- b) Describe the major sections of a research project in a research study. (5 Marks)

**Q6**

- (a) Gloria is in the process of carrying out a research for her degree program and does not know how to come up with the research problem. Advise her on any 5 sources of research problems. (5 Marks)
- (b) Citing relevant examples, examine FIVE challenges encountered by researchers in data collection (5marks)

**Q7**

- a) State and explain 5 the characteristic of a good research (5 marks)
- b) Describe instances when you can use a questionnaire as data collection tool as opposed to other forms. (5 marks)
- c) Explain any THREE sampling techniques that could be used giving reasons why? (5marks)