



PAN AFRICA CHRISTIAN UNIVERSITY

**END OF SEMESTER EXAMINATION FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY IN ORGANIZATIONAL
LEADERSHIP**

MAY – AUGUST 2017

CAMPUS: ROYSAMBU

DEPARTMENT: LEADERSHIP AND GOVERNANCE

COURSE CODE: POLD807

COURSE TITLE: QUANTITATIVE RESEARCH

EXAM DATE: SUNDAY 30th JULY 2017-WEDNESDAY 2nd AUGUST 2017

INSTRUCTIONS

- Read the instructions and questions carefully before you write the answers.
- Answer Question **One** (Compulsory) and any other **two** questions

SECTION 1 - COMPULSORY

Research design is seen as the overall strategy that a researcher chooses in order to integrate the different components of the study in a coherent and logical way, thereby ensuring that the research problem is effectively addressed. It constitutes the blueprint and the framework for the collection, measurement and analysis of data. With this in mind demonstrate and discuss your understanding of the key components of a quantitative research design and how they are inter-related to make the study meaningful. **10 marks**

SECTION 2 – ANSWER ANY TWO

During elections, there are moments of uncertainty and anxiety of the likely outcomes and their implications on the social, political, business and investment environment. The National Private Sector Alliance (NPSA) has been asked by its members to advise them on the likely outcome of the elections and what this might mean on the overall investment environment. As a quantitative research methods expert, you have been contracted by NPSA to conduct an opinion poll on people's preferred political parties and presidential candidates. There are 80 Counties in the country. Describe how you would carry out a quantitative research and highlight the following:

- i) A suitable quantitative problem statement and title of the study
 - ii) The research objectives and hypotheses
 - iii) Data collection and analysis method
 - iv) At least 5 sample key questions that would be part of your data collection instrument
 - v) Ethical considerations
- 5 marks**

In the organization or company you are working in, a new strategic plan has been developed by the top management without proper buying in from all of the staff members. A lot of what has been proposed by the management does not go well with most of the staff members. This has caused a lot of disquiet and disaffection leading to low morale that is affecting the overall productivity. As one of the top managers, who is knowledgeable in research methods, you have been mandated to lead a study to find out what is wrong with the strategic plan. Explain how you would undertake a mixed method research study and focus on the following:

- i) A suitable problem statement and title of the study
 - ii) The research questions/hypotheses
 - iii) Specific qualitative and quantitative methods to be used
 - iv) Suitable data collection and analysis method for qualitative and quantitative research components.
 - v) Ethical considerations
- 5 marks**

The East African Community is highly concerned by the reduction of growth in the GDPs of its 6 member states. This has led to loss of jobs and general stagnation of economic growth. As a CEO of a leading consulting company you have been hired to identify the underlying problems leading to the reduction of GDPs by having consultations with leading economists in the 6 countries – there are at least 10 well

renown economists in each country. Design a quantitative study and highlight the following:

- i) Problem statement and title of the study
- ii) Description of the overall design of your study
- iii) Description of the sampling strategy
- iv) Dependent and independent variables
- v) Description of data collection and analysis methods

5 marks

There are seven counties where maize productivity has been adversely affected by the destructive army worm. This has caused a lot of concerns to the government and farmers as maize is an important staple and food security crop. As a leader you have been asked to develop a team to undertake a study for the government to understand the magnitude of the problem in order to inform policy decisions on mitigation measures. The Government would also like to understand the nature and mode of crop attack by the army worm. You need to carry out a mixed method study to provide the required answers.

Describe fully how you would undertake this study including the detailed research design and how the various components would be interlined to produce the desired results. **5 marks**