KENYA TECHNICAL TRAINERS COLLEGE

EDUCATION DEPARTMENT
DIPLOMA IN TECHNICAL TRAINER EDUCATION
RESEARCH METHODS I
END OF TERM FINAL EXAMINATION
AUGUST, 2021

INSTRUCTIONS
1. Time allowed **2hours**
2. Answer **ALL** questions in the answer booklet provided
3. Cell phones are **NOT** allowed

(QUESTION 1 = 40 MARKS)

Q1. Accidents are common events in our societies all over the world. Motorcyclists contribute the largest number of killed and injured casualties to the overall figures after car drivers and occupants. Hussein (2012) In his book Motor Cycle World published by Space Craft in Nairobi studied the effects of motorbike accidents on the youth's economic development. He found out that over 300 people were killed across Kenya in road accidents in the month of May 2010 alone. Many people are worried for the youth because they are mostly involved in the motorbike business. Besides, many Kenyans feel that motorbike accidents among the youths are threatening to add another impediment to the states' development efforts to maintain safety and good health.

a) You wish to study the situation presented in this case;
i) Formulate a title for the study (2 Marks)
ii) Develop THREE (3) objectives for the study (6 Marks)

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iii) Suggest THREE reasons for having objectives in your study. (6 Marks)

iv) State the purpose of the study above. (2 Marks)

v) Discuss THREE likely sources of the problem above (6 Marks)

vi) Explain THREE reasons for preparing a research proposal for this study (6 Marks)

vii) An author has been identified above, examine THREE reasons why it is important for a researcher to have references in a study (6 Marks)

viii) Using the APA referencing style, develop a reference list for the work cited in the case study above (4 Marks)

ix) Explain the need for a research design for the study (2 Marks)

Q2. a) Explain TWO qualities of a good research problem (4 Marks)

b) Explain TWO reasons for conducting educational research (4 Marks)

c) Discuss SIX main steps in the research process (12 Marks)

Q3.a) Distinguish between probability and non-probability sampling techniques, and in each case give two examples (6 marks)

b) Explain FOUR characteristics of a good sample (8 Marks)

c) Explain THREE reasons for carrying out literature review in research (6 Marks)

Q4. a) Differentiate between primary data and secondary data (2 Marks)

b) Describe THREE qualities of a good questionnaire (6 Marks)

c) Explain THREE advantages of open ended questions (6 Marks)

d) Discuss THREE rules that every interviewer should bear in mind when collecting data (6 Marks)

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DIPLOMA IN TECHNICAL TRAINER EDUCATION

RESEARCH METHODS I
PAPER CODE: ED 7102
QUALIFICATION: Technical Trainer Level 6
UNIT CODE: **ED/CUR/TT/CR/15/Pro/A**

UNIT OF COMPETENCY: Conduct education research

END OF TERM FINAL EXAMINATION
APRIL, 2022

INSTRUCTIONS TO CANDIDATES
1. Time allowed **2hours**
2. Cell phones and unauthorised materials are **NOT** allowed
3. Answer ALL questions in section A and any THREE in Section B in the answer booklet provided.

SECTION A: (QUESTION 1 = 40 MARKS)
Q1. Read the following extract and answer the questions that follow:

Peter Ngare in page 10 of the Daily Nation of July 24th, 2018 contributed an article titled "Heads push for overhaul of the School System". He wrote "Key players in education have termed measures announced by the CS Sam Ongeri to curb school strikes as short term and want a lasting solution. The real problem is with the education system. We have to look into the emerging issues and the role of each player". The standard team in their write up on 27th, July 2018 page 5 under "Parliamentary Education team to visit all schools" supplemented that the parliamentary committee will from next week visit all provinces to establish the causes of unrests. In the earlier editions, the Nation team revealed the number of schools which had participated in burning down school property and injuring innocent students among other observations and that the schools were wide spread and gave the following figures as released by the ministry of Education

County	Type of Sec School		
	Boys	Girls	Mixed
1. Nairobi	20	10	08
2. Kilifi	22	04	06
3. Kisii	30	10	08
4. Kiambu	26	18	10
5. Uasin Gishu	32	20	10
6. Kakamega	28	14	06
7. Garissa	08	02	04
8. Kitui	14	06	04

A scholar, Nick Mouko in his book on School Administration published in Nairobi by the Kenya Technical Teachers press in 2007 cautioned on factors which can easily trigger strikes in schools citing student, teacher and administrative based factors

If you were to carry out a survey based on the above:

(a). i) Suggest a title for the study   (2 marks)

   ii)   In one paragraph, state the problem for the study   (6 marks)

   iii)   Suggest three objectives for the study   (6 marks)

(b). i) Identify a suitable sampling technique   (2 marks)

   ii)   Explain how you will constitute a sample size of 50% of the schools clearly showing all the working   (16 marks)

(c). i) Draw a complete reference list for two sources cited   (4 marks)

   ii)   With examples show two referencing procedures within text that have been used
                                                                                                              (4 marks)

SECTION B: (ANSWER ANY THREE QUESTIONS = 60 MARKS)

Q2. a) With examples, explain FOUR roles of research in Educational Management (8 arks)

b) Explain SIX sources of problems for research in Education   (12 Marks)

Q3. a) Explain FOUR characteristics of scientific research   (8 Marks)

   b) Discuss SIX main steps in the research process   (12 Marks)

Q4 .a) Explain THREE uses of objectives in research   (6 marks)

   b) With examples state the THREE major classification of research   (6 Marks)

   c) Discuss FOUR reasons for carrying out literature review in research   (8 Marks)

Q5. a) Explain the contents of a questionnaire cover letter   (6 Marks)

   b) Discuss FOUR qualities of a good questionnaire   (8 Marks)

   c) Discuss THREE rules that every interviewer should bear in mind when collecting data
                                                                                 (6 Marks)