EPSC 222

CHUKA   UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF BACHELOR
OF EDUCATION ARTS**

EPSC 222: RESEARCH METHODS IN EDUCATION

STREAMS: BED (ARTS)   **TIME: 2 HOURS**
DAY/DATE: FRIDAY 09/7/2021   **2.30 P.M. – 4.30 P.M.**

INSTRUCTIONS:
- **Answer question ONE and any other TWO**
- **Do not write on the question paper**

QUESTION ONE

(a)   Define the following terms

     (i)   Research

     (ii)   Sample

     (iii)   Population

     (iv)   Variable

     (v)   Data   [10 marks]

(b)   Assuming you are the principal of Ikuu boys high school a national secondary school in   Kenya and you are concerned about low enrolment in the school. Preliminary   investigation attributed low enrolment to factors such as poor exam results, fees increments, exodus of teachers and corporal punishment being administered on   students.

     (i)   Identify a good research title in this situation   [2 marks]

     (ii)   List the independent and dependent variables on the title identified   [4 marks]

     (iii)   Write down two objectives of this study   [4 marks]

     (iv)   Formulate two null hypothesis for this study   [4 marks]

     (v)   Identify any extraneous variable for such a study.   [2 marks]

(c)   Give two (2) reasons for conducting a detailed literature review in educational research

                                                                                                        [4 marks]

QUESTION TWO

(a)   Discuss any four (4) non probability sampling techniques applicable in educational research.   [10 marks]

(b)   Examine the importance of assessing reliability of research instrument before actual   data collection in research study.   [10 marks]

QUESTION THREE

(a)   (i)   What do you understand by the term validity in research.   [2 marks]

        (ii)   Discuss four (4) types of validity   [12 marks]

(b)   Identify any four tools of data collection   [4 marks]

QUESTION FOUR

(a)   Discuss any four (4) types of research designs   [12 marks]

(b)   A student of Chuka University is conducting research on drug and substance abuse by university students in Kenya. He/she tasks you to assist in data collection exercise. Explain the ethical issues you would consider in this exercise.   [8 marks]