ECON 452

CHUKA   UNIVERSITY

UNIVERSITY EXAMINATIONS

EXAMINATION FOR THE AWARD OF BACHELOR OF SCIENCE

ECON 452: RESEARCH METHODOLOGY

STREAMS: BSC   TIME: 2 HOURS

DAY/DATE: MONDAY 09/12/2019   2.30 P.M. – 4.30 P.M.

INSTRUCTIONS: Answer question ONE and any other TWO questions

QUESTION ONE (30 MARKS)

(a)   A population is divided into three strata so that $N_1 = 5,000$, $N_2 = 2,000$, and $N_3 = 3,000$,   with their respective standard deviation given as $\sigma_1 = 15, \sigma_2 = 18$, and $\sigma_3 = 5$. How should a sample size n=84 be allocated to the three strata, if you want optimum allocation using disproportionate sampling design   [5 marks]

(b)   Discuss five qualities that a good statement of problem should portray   [5 marks]

(c)   Explain any five ethical issues relating to individual researchers   [5 marks]

(d)   Explain four sources of measurement errors   [8 marks]

(e)   Define validity in data and explain three types of data validity   [7 marks]

QUESTION TWO (20 MARKS)

(a)   Discuss the various sections of a research proposal clearly indicating the significance of each section.   [10 marks]

(b)   Define research design and discuss three research designs   [10 marks]

QUESTION THREE (20 MARKS)

(a)   Explain five characteristics of a good hypothesis   [5 marks]

(b)   Briefly describe the four main data types illustrating your answers with appropriate
        examples   [5 marks]

(c)   Discuss the reasons why sampling is preferred over census in research designs [10 marks]

QUESTION FOUR (20 MARKS)

(a)   Explain the reasons for conducting a review of literature   [5 marks]

(b)   Define research and explain five types of research   [10 marks]

(c)   Define the term measurement process highlighting its main characteristics   [5 marks]