

DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

HRD 2114: RESEARCH METHODOLOGY (draft)

INSTRUCTIONS: Answer Question 1 and Any Other Two

Question One.

- a) Differentiate between basic from applied research (3marks).
- b) Explain by use of an example the importance of data editing before presentation (2 marks)
- c) Discuss the building blocks of research (3 marks).
- d) With the aid of examples differentiate the descriptive statistics from inferential statistics (4 marks).
- e) Discuss three criteria for good measurements when conducting research (6 marks)
- f) Explain five reasons why oral presentations is important in research 5 marks
- g) i). What is field work (2marks).
ii). Outline the five major themes involved in training of field workers (5marks).

Question Two

- a). Differentiate between the conceptual frame work and theoretical framework (4marks).
- b). Explain the meaning of the following elements of research.
 - i). Variable
 - ii). Hypothesis
 - iii). Nominal scale
 - iv). Ordinal scale
 - v). Ratio scale (10 marks)
- c). Distinguish between the precision and confidence of scientific research (6 marks).

Question Three

- a). Define experimental research (2 marks)
- b). Explain four basic elements of an experimental research (4 marks)
- c). Describe three important components of attitude to consider when measuring attitude as a researcher (6 marks)
- d). Discuss four core issues in sampling design and selection (8 marks)

Question Four

- a). Discuss the steps needed in the identification of a research problem (7 marks)
- b). Discuss the importance of hypothesis as a basic instrument in research (5 marks)
- c). Discuss the concept of reliability and validity in research (8 marks)

Question Five

- a). Explain the difference between primary and secondary data (2 marks)
- b). i). Describe a research report (3 marks)
ii). Outline any five components of research report (5 marks)
- c). Describe any five tools and techniques of qualitative research (10 marks)