



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2010/2011

**FIRST SEMESTER EXAMINATION FOR THE DEGREE OF DOCTOR OF
PHILOSOPHY IN EARLY CHILDHOOD STUDIES**

ECE 603: RESEARCH SEMINAR IN EARLY CHILDHOOD STUDIES

DATE: Friday, 26th November, 2010

TIME: 2.00 p.m. – 5.00 p.m.

INSTRUCTIONS:

Attempt any **THREE** questions.

1. The t-test value can be calculated as one or two tails. (One or two sided)
 - a) Clearly explain when you would need to calculate one-sided t value and give examples.
 - b) State a hypothesis that can be tested by using a two-sided t-test and show the steps you would take to test the hypothesis.
2. A computed Chi Square value is a “Pass-Fail measurement”.
 - a) Explain this statement
 - b) “there is no relationship between the type of training programs attended and the job placement success”
Assume the calculated Chi Square value is 70, and Alpha is 0.05, how would you interpret the results?
3.
 - a) Describe the differences between parametric and non-parametric Tests
 - b) Does it matter whether you use parametric or non-parametric Tests?

- c) Give example of data that can be tested using non-parametric Test.
- 4.
 - a) State three ways you can establish both validity and reliability of research results.
 - b) How would you minimize threats to validity of research findings?
- 5.
 - a) Differentiate between Descriptive and Inferential Statistics. Give examples.
 - b) What is the standard error of the mean and how can you estimate its value? Give example.