



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

SECOND SEMESTER EXAMINATION FOR THE DIPLOMA IN FOODS NUTRITION AND DIETETICS

FND 020N: INTRODUCTION TO STATISTICS AND RESEARCH METHODS

DATE: Friday 30th March 2012

TIME: 2.00p.m – 4.00p.m

INSTRUCTIONS

Answer all questions

1. Define the following terms as used in research [10marks]
 - a) Research
 - b) Variable
 - c) Hypothesis
 - d) Theory
 - e) Inferential statistics
2. Differential between the following terms as used in research; [12marks]
 - a) Population and sample
 - b) Nominal and ratio variables
 - c) Parametric and non parametric methods
3. Discuss five reasons as to why literature review is important in research process. [10marks]
4. Discuss the six reasons as to why undertaking research is important. [12marks]

5. The data shows the weights of 28 mothers in a community that was involved in a research.

42, 52, 78, 45, 59, 84, 41, 77, 54, 81, 83, 50, 73, 43, 57, 70, 91,
90, 74, 89, 75, 61, 66, 77, 86, 49, 51, 67

- i) Using seven classes, calculate
 - a) Range [2marks]
 - b) Class limit [2marks]
 - c) Class interval [2marks]
- ii) Draw a frequency distribution table [4marks]
- iii) Calculate the
 - a) Mean [4marks]
 - b) Median [4marks]
 - c) Mode [4marks]
 - d) Standard deviation [4marks]