



MASENO UNIVERSITY

UNIVERSITY EXAMINATIONS 2012/2013

FIRST YEAR SECOND SEMESTER EXAMINATION FOR
THE DEGREE OF BACHELOR OF ARTS IN SOCIOLOGY
& ANTHROPOLOGY WITH INFORMATION
TECHNOLOGY
(CITY CAMPUS - EVENING)

ASO 112: INTRODUCTION TO SOCIAL STATISTICS

Date: 15th July, 2013

Time: 5.30 – 7.30 p.m.

INSTRUCTIONS:

- ♦ Answer ANY THREE questions.

ASO 112: INTRODUCTION TO SOCIAL STATISTICS

KISUMU CITY CAMPUS

YEAR I

SEMESTER II

ANSWER ANY **THREE** QUESTIONS.

1. Calculate the inter-quartile range, quartile deviation and its coefficient from the following distribution. (23.3 Marks)

Wages (\$) per week	less than 35	35-37	38-40	41-43	over 43
Wage earners	14	62	99	18	7

2. Using suitable illustrations, discuss the concept of the normal distribution bringing out its properties. (23.3 Marks)

3. From the following distribution, calculate the standard deviation and the coefficient of variation. (23.3 Marks)

Class	Frequency
0- 10	10
10-20	18
20-30	25
30-40	23
40-50	17
50-60	6

4. Discuss the process entailed in graphical presentation of data bringing out the various approaches. (23.3 Marks)

5. Discuss the various areas of applicability of statistics in the Kenyan society. (23.3 Marks)

6. Calculate the mean deviation and its coefficient from the following.

Class	1-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80
Frequency	5	8	12	15	20	14	12	0

(23.3 Marks)