

MASENO UNIVERSITY UNIVERSITY EXAMINATIONS 2013/2014

FIRST YEAR FIRST SEMESTER EXAMINATIONS FOR THE DEGREE OF MASTER OF EDUCATION IN GUIDANCE & COUNSELING/EDUCATIONAL PSYCHOLOGY

(REGULAR/SANDWICH - CITY CAMPUS)

EDU 804/EMA 858: COMPUTER APPLICATION IN RESEARCH

Date: 26th November, 2013

Time: 9.00 - 12.00 noon

INSTRUCTIONS:

Answer ALL Questions.

EDU 804/EMA 858: COMPUTER APPLICATION IN RESEARCH SECTION 1: WORD PROCESSING WITH MS WORD INSTRUCTION:

- Answer all questions.
- 1) The figure below shows the ribbon for MSWord 2007.



- a) Describe the function of each of the command buttons labelled P and Q.
 (2 marks)
- b) Name any two tabs on the ribbon. Describe the function of each of the tabs.
 (4 marks)
- Name any two groups on the ribbon. Describe the function of each of the groups.

(4 marks)

- d) Explain how the ribbon can be used to:
 - Number a list of names in a graduation booklet.

(21/2 marks)

Produce a reference list with hanging indent.

(2½ marks)

 Key in the data below into the SPSS data editor. There are three variables y, x and z. There are 12 cases.

y	X	Z
22	198	1
18	199	1
21	200	1
26	97	2
25	110	2
24	107	2
25	104	2
26	121	2
21	199	1
10	360	1
10	307	1
11	318	1

- a) Use SPSS to construct a scatter plot for y against x. Interpret the scatter plot.
 (2 marks)
- b) How much variance is shared in common between x and y? (2 marks)
- c) Use SPSS to regress y on x using ordinary least squares method. Write the linear equation that relates y with x in your answer booklet.
 (4 marks)
- d) Interpret the regression coefficient in the equation generated in (c).
 (2 marks)
- e) Use SPSS to conduct an analysis of variance with x as the dependent variable and z as the factor. Interpret the results.
 (5 marks)

Produce and print the following. The main heading above the line is ARIAL font size 14. The remaining text is ARIAL NARROW font size 12.

P. O. BOX 2013 ODINO

FEES STRUCTURE FOR 2014

Magombe Secondary School wishes to inform all esteemed parents and guardians that school fees for 2014 will be charged as follows:

SIN	VOTE	AMOUNT (KShs.)
1.	Tuition	20,000/=
2.	Activity	5,000/=
3.	Development	2,000/=
4.	Bus	1,000/=
	TOTAL	27,000/=

Parents/guardians are advised to pay the total amount in full at PQR Bank, Odino Branch, Savings A/C No. 12345678. The bank slip MUST be presented at the Bursar's office and a receipt obtained for the same.

For further information and assistance, please contact the Principal through Mobile Phone No. 0915 666666.

Odino Secondary School is an equal opportunity employer.

(15 marks)

SECTION II: DATA ANALYSIS WITH SPSS

3) Ten students are randomly assigned to two groups, A and B. Group A is taught history using Lecture Method and Group B is taught using Computer Assisted Instruction, everything else held constant. After two weeks of teaching, the students are given a mathematics test in the content domain they were taught. The following are the individual scores for the students.

A	В
20	26
25	35
30	29
22	36
27	32

 Use SPSS to calculate the mean and standard deviation for each of the two groups. Write your answers in the answer booklet.

(4 marks)

b) Perform a t-test to compare the means for the two groups using SPSS. Copy the output in your answer booklet.

(6 marks)

Based on the results in (b), make a conclusion of the findings.

(5 marks)