CHUKA UNIVERSITY
UNIVERSITY EXAMINATIONS
EXAMINATION FOR THE AWARD OF MASTERS DEGREE [MA,Med,Msc)
Level1 Block 1
MAIN CAMPUS
COSC 801: COMPUTER USE AND APPLICATION IN RESEARCH

INSTRUCTIONS

1. Answer question **ONE** and any other **TWO** questions from Section B

2. Marks are awarded for clear and concise answers

SECTION A-COMPULSORY

Question ONE – [30 Marks]

(a)Briefly discuss **FIVE** characteristics of a good PowerPoint presentation **[5 marks]**

(b)Give **FIVE** features of Microsoft excel application that may be of interest to a researcher **[5 marks]**

(c)While explaining what a word processor is, describe why word processing applications are important to institutions of learning **[4 marks]**

(d) Differentiate between the following:
    (i) Magnetic and solid state storage devices **[4 marks]**
    (ii)Hand-held and flat-bed scanners   **[4 Marks]**

    (iii)Impact and non-impact printers   **[4 Marks]**

(e)Describe **FOUR** features of SPSS that are relevant to researchers in social sciences **[4 Marks]**

SECTION B-Answer any TWO questions from this section

Question TWO [15 Marks]

Below is a screenshot of a SPSS data editor. Use it to answer the questions that follow:

(a)Explain how you can compute correlation between Gender and height using regression **[4 Marks]**

(b)What is the most appropriate scale for **Name, gender** and **height** respectively **[6 Marks]**

(c)Show how the coding (value labels) of variable **Gender** may appear in the values field of variable view **[5 Marks]**

Question THREE [15 Marks]

(a)Use the spreadsheet data below to answer questions that follow:

	A	B	C	D	E	F	G	H
1	Month	Nairobi	Kisumu	Mombasa	Total sales	Average Sa	Tax charged on Total sales (V.A.T)	Net sales
2								
3	January	120000	87000	97000				
4	February	80000	70000	60000				
5	March	78000	56000	45000				
6	April	90000	28000	56000				
7	May	50000	45000	78000				
8	June	79000	28000	65000				
9	July	78000	23000	67000				
10	August	67000	45000	56000				
11	September	67500	43000	56700				
12	October	89000	31000	45000				
13	November	45000	42000	54000				
14	December	67000	28000	45000				
15	Yearly sales							

(i)What formulae would you enter in cell B15,E3,F3,G3,H3 and copy it to compute yearly sales, Total sales, average sales, V.A.T and Net sales respectively**[8 Marks]**

(ii)Which two ms-excel functions are applicable for use in the spreadsheet above **[3 marks]**
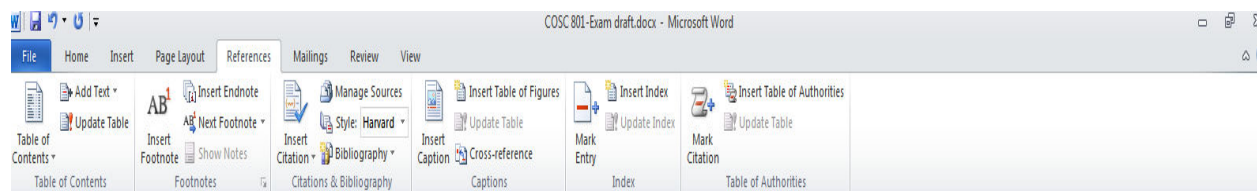
(b)Explain the role played by the following ms-excel features:

(i)Graph   **[2 Marks]**

(ii)Pivot tables   **[2 Marks]**

Question FOUR   [15 Marks]

The Screen below shows an extract of a ms-word user interface.

(a)Describe the role played by the following ms-word user interface features **[10 Marks]**

   i) Manage Sources
   ii) Insert Table of figures
   iii) Update table
   iv) Insert Citation
   v) Bibliography

(b)Describe **FIVE** security features employed Microsoft word to protect documents **[5 marks]**

Question FIVE   [15 Marks]

(a)With a well labeled diagram, discuss the various components that make up the computer system **[10 Marks]**

(b)While working on the computer, Mohammed downloaded a picture from an artist's online album and put it on her report. However he did not include a written acknowledgement in the references.What term is used to define this behaviour **[2 Marks]**

 (c)Sospeter has been selected as team leader of a group project in which the team will complete a presentation. Sospeter decides to create and share a master slide with his team. What is the *main* benefit of using a master slide **[3 Marks]**