

# University of Swaziland

## Final Examination- May/June 2012

**Title of Paper:** *Introduction to Computing for Social Science*

**Course Code:** *CSS100*

**Time Allowed:** *Three (3) Hrs.*

### **Instructions to Candidates:**

#### **Section A:Compulsoryquestion**

#### **Section B:**

1. Answer **Any Three (3)** questions
2. Clearly indicate **Course code and Program on the Examination Answer Booklet.**

*This examination paper should not be opened until permission has been granted by the invigilator*

## SECTION A: Compulsory [40 Marks]

### Question 1:

- a) With the aid of appropriate examples, explain briefly the following terms:
- i. Computer Hardware [3]
  - ii. Computer Software. [3]
  - iii. Data [2]
  - iv. Information [2]
- b) Give 3 examples of input devices, 3 examples of secondary/auxiliary storage devices and 3 examples of output devices. [9]
- c) i) Convert the decimal number **87** to its binary equivalent. Show all your working. [3]
- ii) Convert the binary number **101001** to its equivalent decimal number. [3]
- d) With the aid of appropriate examples, briefly explain the differences between Absolute and Relative cell referencing. [4]
- e) Consider the following electronic Spreadsheet:

	A	B	C	D	E
1	<b>2007 SWAZILAND HIV PREVALENCE BY AGE GROUP</b>				
2					
3			<b>60000</b>		
4	<b>SURVEY POPULATION</b>				
5					
6	<b>CATEGORY</b>	<b>WOMEN</b>	<b>MEN</b>	<b>GROUP TOTAL</b>	<b>% OF SURVEY POPULATION</b>
7	<i>Childhood</i>	1097	1090		
8	<i>Teenage</i>	1905	1934		
9	<i>Twenties</i>	1580	1344		
10	<i>Thirties</i>	991	704		
11	<i>Forties</i>	731	464		
12					
13	<b>GENDER TOTAL</b>				
14	<b>GENDER AVERAGE</b>				

- i) Write the formula you would enter in Cell **D7** to compute the **Group Total** for the **Childhood** category. [2]
- ii) Write the formula entered in Cell **C14** to compute the average for **Men** [2]
- iii) Write the formula entered in Cell **E7** to compute **% of Survey Population**, which is given by **(GROUP TOTAL / SURVEY POPULATION) x100**. Use Absolute cell referencing. [4]
- iv) Explain how you would create a **2D Bar Chart** using **Women and Group Total** figures only. [3]

**SECTION B: Choose any 3 questions [60 marks]**

**Question 2:**

- a) State and explain the functions of the 2 main components of the CPU. [4]
- b) Write the full names of the following: [8]
- i. MB
  - ii. RAID,
  - iii. WORM,
  - iv. DASD
  - v. ISP
  - vi. WWW
  - vii. URL
- c) What is the main difference between RAM and ROM? [4]
- d) Which is greater: 4 megabytes or 600 kilobytes? Give reasons for your answer. [2]
- e) Why is the keyboard sometimes called a 'QWERTY' keyboard? [2]

**Question 3:**

- a) Briefly describe some of the aspects that you would consider when choosing a secondary storage device. [4]
- b) Briefly describe any 2 functions of the operating system. Give 2 Examples of operating systems. [6]
- c) List any 2 examples of applications software. [2]
- d) Assuming the values in cells C2 to C5 are 23, 32, 71 and 109 respectively. Consider that the following formulas have been entered into cells B8 to B11. In what way are the formulas different? Explain what will happen to the results if the value in C5, i.e. 109 is changed to become 20. [8]
- i. = 23+32+71+109
  - ii. = C2+C3+C4+C5
  - iii. = SUM(C2:C5)

#### **Question 4:**

- a) Describe the effects/results of the following mouse actions:
- i. Right clicking on the desktop [1]
  - ii. Dragging a window's title bar [1]
  - iii. Clicking on a minimised window on the task bar. [1]
  - iv. Double clicking on a folder icon [1]
- b) Describe the sequence of steps you would take to do the following tasks in Windows:
- i) Save a document you have been typing, in a folder called **EXAM** which is on the desktop [4]
  - ii) Delete an Excel file with the name **CSS100 Marks.xls** which is inside the folder with the name **EXAM** on the desktop. [3]
  - iii) Rename a file called **CSS100Exam.doc** to be **CSS100Notes.doc** [3]
  - iv) Describe how a folder with the name **CSS100** may be created on the desktop. Furthermore describe how a folder with the name **BASS** may be created inside the folder **CSS100** created above. [6]

#### **Question 5:**

- a) Describe how you would carry out the following tasks in Microsoft Word:
- i) Double space only the last paragraph in your document [3]
  - ii) Underlining a word [2]
  - iii) Centering a paragraph [3]
  - iv) Move an existing paragraph to appear at the end of the whole document. [3]
- b) Explain the main difference between copying and moving text. (Explain the difference in their meaning, not how they are carried out) [4]
- c) What is the Internet? State 3 uses/applications of the Internet. [5]

<<END OF QUESTION PAPER>>