

UNIVERSITY OF SWAZILAND
Faculty of Health Sciences

Department of Environmental Health Science

Main Examination
December 2014

Title of paper: **Computing for Health Sciences**

Course code: **CHS 100**

Time allowed: **2 hours**

Marks allocation: **100 Marks**

Instructions:

- 1) **Read the questions and instructions carefully**
- 2) **Answer ALL questions**
- 3) **Each question is weighted 25 marks**
- 4) **Write neatly and clearly**

This paper is not to be opened until the invigilator has granted permission

Answer all questions

Question 1

i) What is the difference between the following?

- a) Tab key and the Increase Indent icon. [4 Marks]
- b) Exit and Close. [4 Marks]
- c) Enter and spacebar. [4 Marks]
- d) Save and Save As. [4 Marks]
- e) Delete and Backspace. [4 Marks]

ii) Give five (5) functions of a mouse? [5 Marks]

[25]

Question 2

- a) What is a computer? [3 Marks]
- b) What does RAM and ROM stand for? [2 Marks]
- c) What is the difference between RAM and ROM? [6 Marks]
- d) What are input and output devices? Give 2 examples of each. [10 Marks]
- e) What is the difference between software and hardware? [4 Marks]

[25]

Question 3

- a) What is the difference between a website and an email? Give an example of the each. [6 Marks]
- b) Discuss the use of any three (3) computer general application software. [9 Marks]
- c) What is Operating System software? Give 2 examples. [4 Marks]
- d) For the following statements, indicate whether they are True or false. In each case, give reasons for your answer:
 - i) The home key will move the pointer to the end of the document.
 - ii) When text is cut, the original is removed and placed in the new position.
 - iii) The home key takes the pointer to the beginning of the document.

[6 Marks]

[25]

Question 4

	A	B	C	D	E	F	G	H
1	ENROLMENT							
2	Course	Venue	Jan	Feb	Mar	Apr	Total	Average
3	Management	Mbabane	200	140	170	220		
4	Finance	Maseru	140	200	160	190		
5	Budgeting	Manzini	230	170	200	130		
6	Nursing	Johanesburg	100	160	270	200		
7	Environment	Nairobi	150	200	170	100		
8	Safety	Mbabane	240	300	270	200		
9								
10	Maximum value							
11	Minimum value							
12	Number of items							
13								
14								
15								

Using the above displayed spreadsheet answer the following questions (a) to (g):

- Write the exact formula to count the values in the April range. [2 Marks]
- Write the exact formula for calculating the total for Jan values in column C. [2 Marks]
- Write the exact formula to determine the highest value in the March and April range of values. [2 Marks]
- Write the exact formula for calculating the average for the Jan and Apr values in row 3. [2 Marks]
- Write the exact formula to determine the lowest value in all the Jan and Feb range values. [2 Marks]
- Write the exact formula to increase the value in cell D8 by 20% [3 Marks]
- Write the exact formula to add the value in C3 to the value in F3 such that when you copy the formula to the adjacent cells below it maintains the value in C3. [3 Marks]

	A	B	C	D	E
1	Item	Quantity	Unit price	Total price	Discount
2	Rice	40	£ 4.50		
3	Soup	56	£ 7.00		
4	Cooking oil	35	£ 6.50		
5	Maize meal	60	£ 9.00		
6	Sugar	20	£ 3.50		
7					

- Write the exact formula to calculate the Total price in column D above [3 Marks]
- Write the exact formula to calculate the discount amount of 10% to those items with quantity more than 50. [6 Marks]

[25]