

UNIVERSITY OF SWAZILAND

Faculty of Health Sciences

Department of Environmental Health Science

December 2018 Examination

Title of paper: Computing for Health Science
Course code: EHS105
Time allowed: 2 hours
Marks allocation: 100 Marks

Instructions:

- 1) Read the questions and instructions carefully
- 2) Answer any 4 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

Question 1

- a) What is the difference between a website and an email? Give an example of the address of a website and a email. [6 Marks]
- b) Explain the use of any three (3) computer general application software. [9 Marks]
- c) What is Operating System software? Give 2 examples. [4 Marks]
- d) Write the functions of the following keyboard keys:
- i) Shift [2 Marks]
 - ii) Home [2 Marks]
 - iii) Tab [2 Marks]

Question 2

- a) When calculating a sum, one must know the BODMAS rule. Explain BODMAS. [5 Marks]
- b) In Ms Excel, how do you write a formula? Give an example. [4 Marks]
- c) Explain 2 methods of selecting/highlighting text in a document using keyboard keys. [6 Marks]
- d) In Ms Word you can copy, cut and paste using keyboard keys. Which keys are those? Explain the function of the mentioned keys. [6 Marks]
- e) What is the difference between Copy and Cut? [4 Marks]

Question 3

	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:

- Write the exact formula for calculating the total of Jan, Feb, Mar and Apr values in row 3. [3 Marks]
- Write the exact formula for calculating the total for Jan values in column C. [3 Marks]
- Write the exact formula for calculating the average for the Jan, Feb, Mar and Apr values in row 3. [2 Marks]
- Write the exact formula to determine the highest value in the March range of values. [2 Marks]
- Write the exact formula to determine the lowest value in all the January and February range values. [3 Marks]
- Write the exact formula to count the values in the April range. [3 Marks]
- Write an IF analysis formula to add 10 to January values below 200 and not to add to those above or equal to 200. [9 Marks]

Question 4

i) What is the difference between the following?

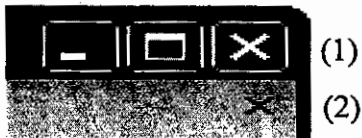
- | | |
|----------------------------|-----------|
| a) Close and Exit | [4 Marks] |
| b) Delete and Backspace | [4 Marks] |
| c) Print and Print Preview | [4 Marks] |
| d) Enter and spacebar | [4 Marks] |
| e) Page up and page down | [4 Marks] |

ii) What are the advantages of using a computer during the duration of your studies at UNESWA?

[5 Marks]

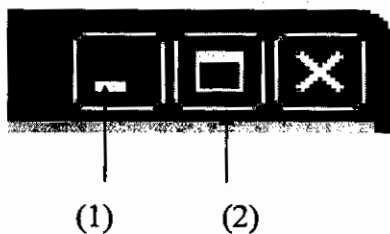
Question 5

a) What is the difference between the two X symbols below in a window



[4 Marks]

b) State the function of these icons



[4 Marks]

- c) As you were typing your letter, there was a power cut.
- i) Which memory of the computer is used when you type a document?
[1 Mark]
 - ii) Will you get your typed work when power comes back? Why?
[2 Marks]
 - iii) Name two storage medium where you can store the document you are typing.
[2 Marks]
- d) What is an output device? Give example of an output device. [3 Marks]
- e) What is an input device? Give example of an input device. [3 Marks]
- f) A computer information system has 6 components. State and define the 6 components. [6 Marks]