UNIVERSITY OF SWAZILAND

Faculty of Health Sciences

Department of Environmental Health Science

February 2021 Main Examination

Title of paper: Computing for Health Science

Course code: EHS 105

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

i) What is the difference between the following?

    a) LAN and WAN   [4 Marks]

    b) ROM and RAM.   [4 Marks]

    c) Input and Output devices. Give examples.   [4 Marks]

    d) Keyboard and Mouse   [4 Marks]

    e) Backspace key and Delete key   [4 Marks]

ii) What is an operating system? Given 2 examples of operating system software.

                                             [5 Marks]

                                           Total 25 marks

Question 2

a) Define and illustrate the difference between Landscape and Portrait page orientation.

                                             [10 Marks]

b) Discuss any 3 uses of computers. Give examples.

                                             [15 Marks]

                                           Total 25 marks

Question 3

a) In the following table, match the function to the short cut keys you can use:

Function		Short cut keys
i.	Open a document	a) Home
ii.	To Copy text	b) Ctrl + E
iii.	To move pointer to the beginning of a line	c) Ctrl + B
iv.	To Center the pointer	d) Ctrl + O
v.	To Bold text	e) Ctrl + C

                                             [5 Marks]

b) Describe two two methods of highlighting text using keyboard keys.

[6 Marks]

c) Name and write the functions of any three general-purpose applications of software.

[9 Marks]

d) Write the rules of writing a formula in Ms Excel. [5 Marks]

Total 25 marks

Question 4

	A	B	C	D	E	F
1	Discount rate	15%				
2	Clothing	Sale price	Quantity	Total Sale price	Discounted Sale price	
3	Skirt	R 38.50	5			
4	Shirt	R 25.00	2			
5	Jacket	R 150.90	15			
6	Jersey	R 85.00	8			
7	Hat	R 45.00	4			
8						
9						

With reference to the given spreadsheet above, answer the following questions:

a) With the pointer in cell D3: write the exact formula to calculate the total sale price given the sale price and quantity. [3 Marks]

b) With the pointer in cell A8: write the exact formula to find the highest sale price.

[3 Marks]

c) With the pointer in cell E3: write the exact formula to calculate the discounted sale price given that there is a discount for items that more than 5 (use the given discount rate).

[15 Marks]

d) With the pointer in cell A9: write a formula to count the values in columns D and E.

[4 Marks]

Total 25 marks

Question 5

a) In the table below, read the statement and complete the statement by matching with the answer column. Write the correct letter only   [6 Marks]

Statement	Answer
i) Arrow keys ……………..	**A.** When word processing automatically moves pointer to the next line
ii) Delete key ………	**B.** Switch the numeric pad between numbers and pointer moving keys
iii) The Esc key is to ……………..	**C.** Type upper characters in a key with 2 characters
	D. Deletes a character on the left of the pointer
iv) The Shift key is to ………	**E.** Allow you to navigate through the document
v) Num lock key is to ………	**F.** To exit or cancel an action
	G. To erase a character on the right of the pointer
vi) Word wrap is ……………..	**H.** Cancel letters that are above

b) Answer **True** or **False**. G-*/ive a reason **how** it is True or **why** it is false

   i.   The delete key will delete the character on the left of the pointer.   [3 Marks]

   ii.   Ms Excel can compute a sum wrongly.   [3 Marks]

   iii.   A flash disk is a software.   [3 Marks]

   iv.   Clicking File and Save is the ONLY way of activating the save dialog box.[3 Marks]

   v.   You can send a message to a friend through a computer   [3 Marks]

   vi.   When typing a paragraph of five lines in Ms Word, you have to press the Enter key at the end of each line   [4 Marks]

Total 25 marks