

**UNIVERSITY OF SWAZILAND**  
Faculty of Health Sciences

Department of Environmental Health Science

December 2016 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

Answer any 4 questions

**Question 1**

i) Differentiate between the terms in each of the following?

- a) Close and Exit [4 Marks]
- b) Home and End [4 Marks]
- c) Print and Print Preview [4 Marks]
- d) Enter and spacebar [4 Marks]
- e) Increase indent icon and Tab key [4 Marks]

ii) What are the advantages of using Windows as an operating system? [5 Marks]

**Question 2**

- a) What is Operating System software? Give 1 example [3 Marks]
- b) What is the difference between a website and an email? Give an example of the address of a website and a email [6 Marks]
- c) Explain the use of any three (3) computer application software. [9 Marks]
- d) Name and define the two (2) main components of a computer. Give 2 examples of the components. [6 Marks]
- e) In Ms Excel (spreadsheet) how should a formula be written? [1 mark]

**Question 3**

Answer **True** or **False**. If true give a reason **how** it is True or if False give reasons **why** it is false

- i) The delete key will delete the character on the left of the pointer. [3 Marks]
- ii) When text is cut, the original is removed and placed in the new position. [3 Marks]
- iii) The home key takes the pointer to the beginning of the document. [3 Marks]
- iv) A flash disk is a software [3 Marks]
- v) Clicking File and Save is the ONLY way of activating the save dialog box. [3 Marks]
- vi) You can send a message to a friend through a computer [3 Marks]
- vii) When typing a paragraph of 5 lines in Ms Word, you have to press the Enter key at the end of each line [3 Marks]
- viii) Ms Excel can compute a sum wrongly. [4 Marks]

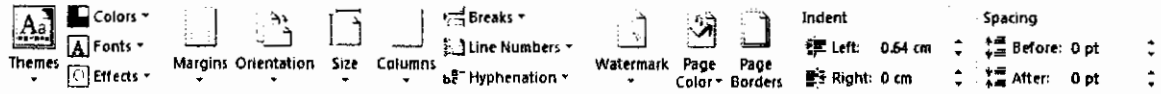
Question 4

a) Multiple choice question

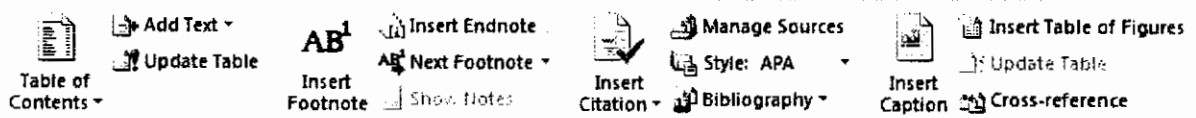
Write the letter which corresponds to the correct answer

i) The Home menu icons are like:

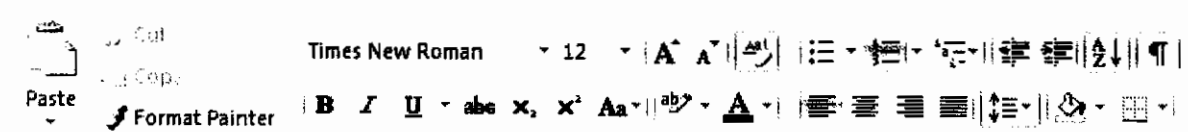
A



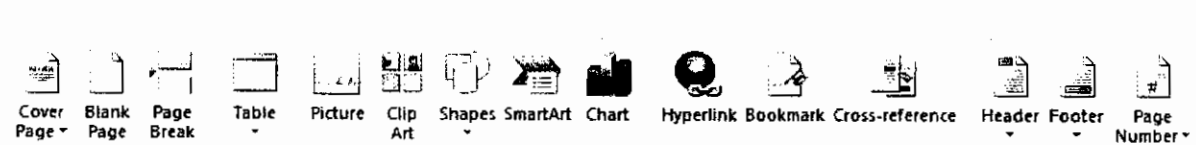
B




C



D



ii) Siphso has just typed W instead of H; which key should he press to delete the W which is on the left of the pointer now?

- A Insert
- B Backspace 
- C Delete
- D Highlight

iii) An Email helps you to

- A Read a definition of a word in the computer
- B Send a message to a friend through the computer
- C Electronically send and receive a message from a friend
- D Browse the computer

[3 Marks]

b)

In the table below, read the statement and complete the statement by matching with the answer column. Write the correct letter only

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

[6 Marks]

c) What does RAM and ROM stand for?

[2 Marks]

d) What is the difference between RAM and ROM

[4 Marks]

e) What are input and output devices?

[6 Marks]

f) What is the difference between a Header and Footer?

[4 Marks]

Question 5

	A	B	C	D	E	F	G	H
1	<b>ENROLMENT</b>							
2	<b>Course</b>	<b>Venue</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>Total</b>	<b>Average</b>
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) Write the exact formula for calculating the total of Jan, Feb, Mar and Apr values in row 3. [3 Marks]
- b) Write the exact formula for calculating the total for Jan values in column C. [3 Marks]
- c) Write the exact formula for calculating the average for the Jan, Feb, Mar and Apr values in row 3. [2 Marks]
- d) Write the exact formula to determine the highest value in the March range of values. [2 Marks]
- e) Write the exact formula to determine the lowest value in all the January and February range values. [3 Marks]
- f) Write the exact formula to count the values in the April range. [3 Marks]
- g) 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]