

UNIVERSITY OF ESWATINI
Faculty of Health Sciences

Department of Environmental Health Science

November 2019 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

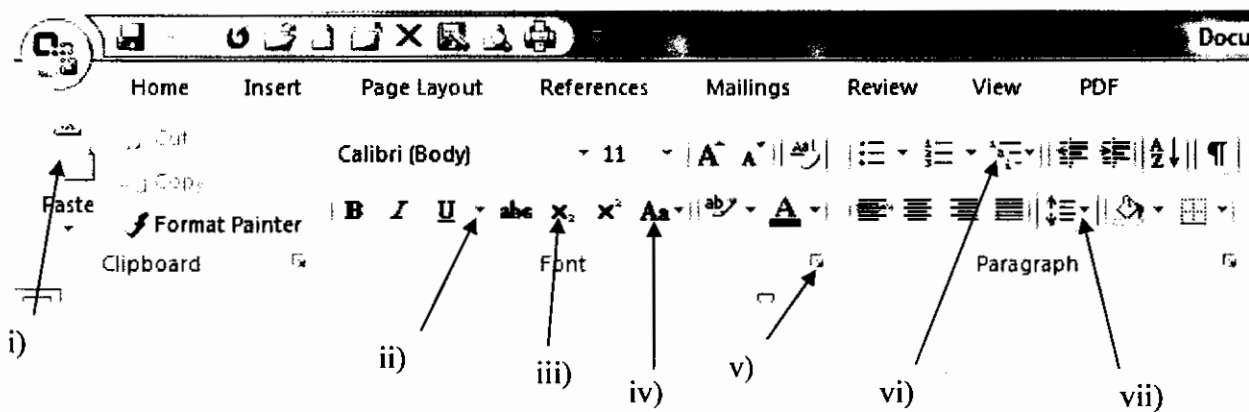
- a) What does RAM and ROM stand for and what is the difference between the two? [6 Marks]

- b) Using Ms Word, write the function(s) of the keys or combinations of the following keyboard keys:
 - i) Ctrl + End key
 - ii) F8 key
 - iii) Esc key
 - iv) Ctrl + Enter
 - v) Home key.[10 Marks]

- c) Write two (2) examples: for an email address and a website address. [4 Marks]

- d) Define output devices and give two (2) examples. [5 Marks]

Question 2



- a. Name the function of the pointed icons. [14 Marks]

- b. Explain 2 methods of selecting/highlighting a phrase in a document. [6 Marks]

- c. Write the steps of copy text to another location in another document. [5 Marks]

Question 3

- a) An information system has six parts, discuss the parts and give 1 example for each part. [18 Marks]
- b) What is the difference between a soft copy and a hard copy? [6 Marks]
- c) What does CPU stand for? [1 Mark]

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) 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]

Question 5

- a) Computers can be used for many things and activities. Discuss two (2) uses of computers. [6 Marks]
- b) Discuss three (3) General-purpose Application software and give 2 examples in each. [9 Marks]
- c) What is Operating System software? Give 2 examples [4 Marks]
- d) True or false: give reasons how it is true or why it is false
- i) The delete key will delete the character on the left of the pointer
 - 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]