

UNIVERSITY OF SWAZILAND
Faculty of Health Science

Department of Environmental Health Sciences

Final Examination 2007/2008

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 any Four 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 four (4) questions

Question 1

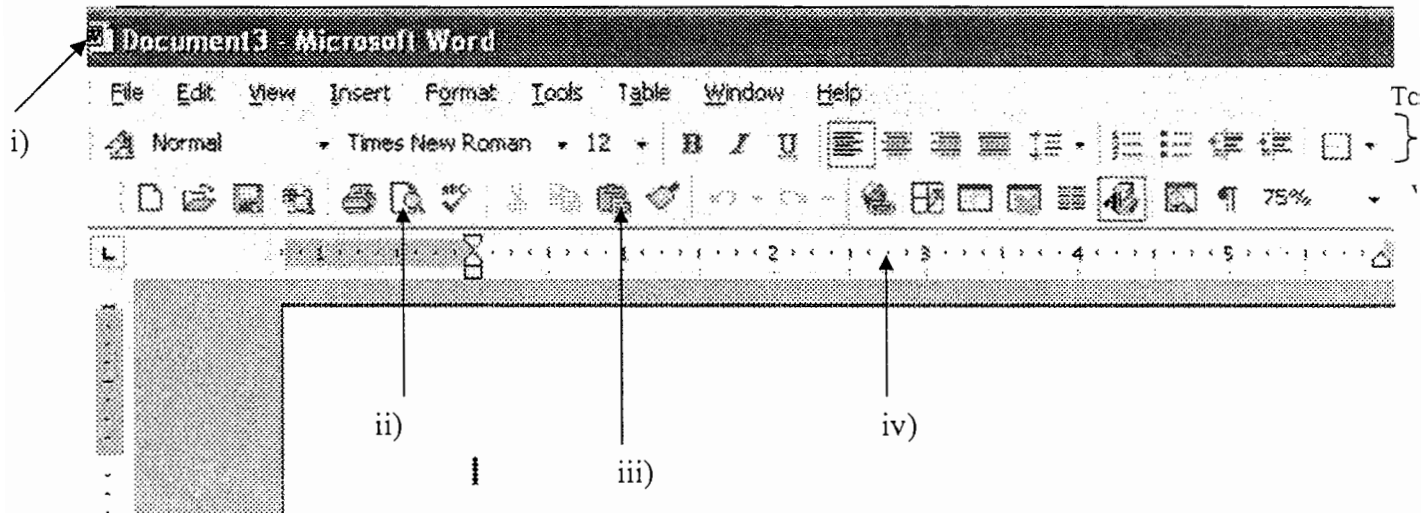
- a) What does RAM and ROM stand for? [2 Marks]
- b) What is the difference between RAM and ROM [4 Marks]
- c) What is the name of the above toolbar? [1 Mark]
Name the function of the pointed icons. [12 Marks]



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

Question 2

- a) Name the pointed icons and toolbars



[5 Marks]

b) An information system has six parts. Name them and briefly define each part.

[18 Marks]

d) In Ms Excel how do you write a formula? Give an example.

[2 Marks]

Question 3

a) The following statements are either true or false. If false state a reason.

- i. The name of the document is found on the menu bar
- ii. Ms Word is an example of operating system software
- iii. To change font style and font size you click File at the menu bar
- iv. The undo or redo buttons are found in the formatting toolbar

[8 Marks]

b) Name the four types of computers and briefly define them.

[8 Marks]

c) What are input/output devices?

[9 Marks]

Question 4

a) What is the difference between operating systems software and application software?

[4 Marks]

b) Name and define any four (4) application software programs, give examples.

[12 Marks]

c) What is a mouse (in a computer system) and what are its five (5) operations?

[7 Marks]

d) What is Internet?

[2 Marks]

Question 5

	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	Johannesburg	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 to count the values in the April range. [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 total of Jan, Feb, Mar and Apr values in row 3. [3 Marks]
- Write the exact formula to determine the highest value in the March range of values. [2 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 lowest value in all the January and February range values. [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]