

UNIVERSITY OF SWAZILAND

Faculty of Health Sciences

Department of Environmental Health Science

December 2017 Examination

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 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 application software? Give examples. [5 Marks]
- (b) Explain how learning the software programmes below will help you in your studies and at the workplace when you finish your studies. Give examples.
- (i) Ms Word [10 Marks]
- (ii) Ms Excel [10 Marks]

Question 2

	A	B	C	D	E	F	G	H
1	Surname	Name	Test 1	Test 2	Assignment	CA in %	Exam in %	Final Mark in %
2	Lukhele	Nomsa	50	65	70		65	
3	Simelane	Siphso	60	40	50		45	
4	Dlamini	James	75	70	60		60	
5	Jele	Sonto	40	45	50		70	
6	Dlamini	Abel	35	40	60		55	
7								

Using the above displayed spreadsheet answer the following questions:

- (a) Write the exact formula you would type in cell F2 to calculate the CA in %. Given that the CA is the average of the 2 tests multiplied by 60% plus the assignment multiplied by 40%. [8 Marks]
- (b) Write the exact formula you would type in cell H2 to calculate the Final mark in %. Given that the Final mark is the CA in % multiplied by 40% plus the Exam mark multiplied by 60%. [8 Marks]
- (c) Write the exact formula you would type to find the highest Exam score from all the 5 students. [4 Marks]
- (d) Write the exact formula you would type to give the least test score from all the 5 students for both test 1 and test 2. [5 Marks]

Question 3

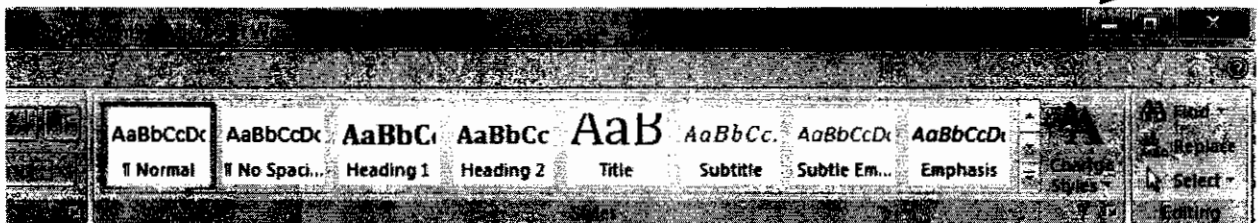
- (a) What is an output device? Give 2 examples of output devices. [5 Marks]
- (b) What is an input device? Give 2 examples of input devices. [5 Marks]
- (c) State and define 5 components of a computer system. [15 Marks]

Question 4

- (a) Explain what you need in order to store information in a micro computer. [8 Marks]
- (b) Explain the functions of a mouse. [5 Marks]
- (c) Explain 3 methods of changing the position/alignment of text in a line or paragraph. [6 Marks]
- (d) What is a spreadsheet made of? And how is a cell address defined? [6 Marks]

Question 5

- (a) What is word wrap? [1 Mark]
- (b) Name the two kinds of a page orientation. Make a sketch of each. [8 Marks]
- (c) Explain the functions of the 3 windows control buttons given below. [6 Marks]



- (d) What is the difference between data and information? [4 Marks]
- (e) Explain 2 methods of selecting/highlighting text in a document. [6 Marks]