THE UNITED REPUBLIC OF TANZANIA

NATIONAL EXAMINATIONS COUNCIL OF TANZANIA

ADVANCED CERTIFICATE OF SECONDARY EDUCATION

EXAMINATION

136/2 **COMPUTER SCIENCE 2**

(For Both School and Private candidates)

Time: 3 Hours **Year: 2018**

Instructions

1. This paper consists of **three (3)** questions**.**
2. Answer **two (2) questions** including question number **one (1).**
3. Save your work on the desktop named by your examination number.
4. Save your work by using the 1997-2003 version of the MS office software.
5. Check whether the **printed work (s)** are similar to **the softcopy** saved saved in the folder.
6. Submit the **printed codes** and screenshots together with the softcopy of your **work (s).**
7. Cellular phones and any unauthorized materials are **not** allowed in the examination room.
8. Write your **Examination Number** on every page of your answer booklet **(s).**

1. (a) Use a function named "Functionlarger" to create a C++ program that determines the largest number from a set of 10 numbers entered by the user.

   (b) By using "Switch…Case" statement in C++ program, construct a menu-driven choice to calculate the area of triangle, rectangle or circle. The program should read the user's choice and execute accordingly.

2. (a) (i) Use Microsoft Excel program to create a workbook and save as "Students Results". Which includes different data such as Name, Physics, Computer, Advanced mathematics, GS, Average, Remarks and Rank.

   (ii) Use Built in function to fill the column G, H and I for each student. The average should be automatically rounded off to the nearest whole numbers.

	A	B	C	D	E	F	G	H	I
1	S/N	Name	Physics	Computer	Advanced Mathematics	G.S	Average	Remarks	Rank
2	1	Lee John	45	78	51	60			
3	2	Craig Martinez	80	53	60	47			
4	3	Gerome Steering	15	31	44	51			
5	4	Karim Close	89	80	67	98			
6	5	Jahid Ally	90	43	79	80			

Hint: The remark follows the following trends:

Average	Remarks
80-100	Excellent
70-79	Very Good
60-69	Good
50-59	Average
40-49	Satisfactory
0-39	Fail

(b) Open Microsoft word program and create the mailing documents given in the next

page. The text in the form “text” represents the names of the merged fields. Use the worksheet created in part (a) above as the data source for mailing list. Save your work as Academic Report and Print a report for Lee John as well as Jihad Ally.

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ACADEMIC REPORT FOR THE SECOND TERM-2017

Class: **Form 6 PCoM** Student's Name:«Name»

General Performance:

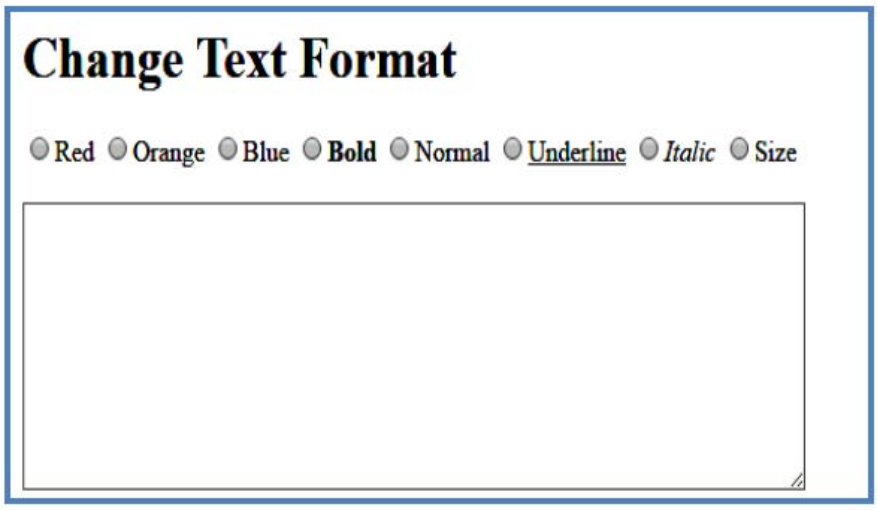
Subject Name	Marks (%)
Physics	«Physics»
Computer	«Computer»
Advanced Mathematics	«Advanced_Mathematics»
GS	«GS»

Summary:
Average:«Average»%.
Rank: «Rank»out of 5.
General Remarks:«Remarks».

Class Teacher Remarks: Work hard you can do better than this.

Headmaster' Remarks: Put more efforts on your studies and involve yourself in group discussions.

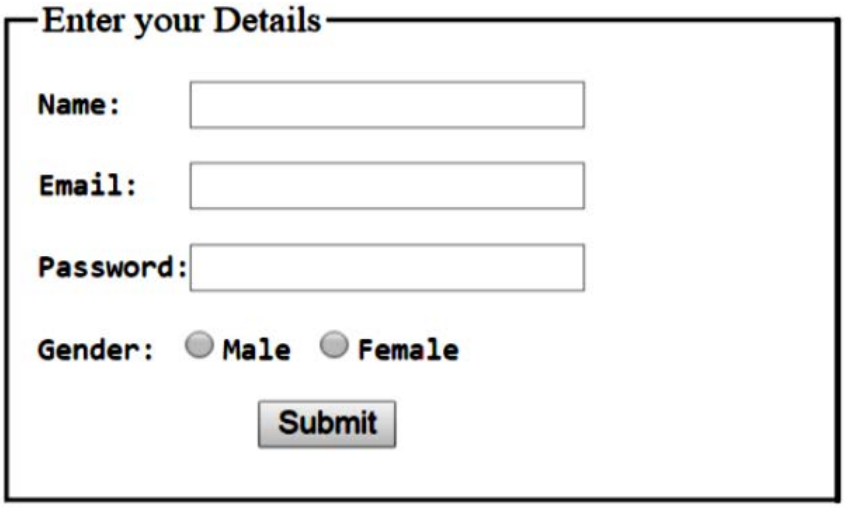
3. (a) Use HTML and JavaScript codes to create the following interface which will enable a user to type texts on text area and change its format after clicking radio button



Interface descriptions:

- Rows and columns of text area are 10 and 70 respectively.
- Font size of the heading "Change Text Format" is h1.
- Use prompt box to input text size.

(b) (i) Use basic HTML codes to create the following form:



(ii) Use JavaScript codes to validate form inputs when the Submit button is clicked.