REPUBLIQUE DU CAMEROUN
Paix – Travail – Patrie
MINISTERE DES ENSEIGNEMENTS SECONDAIR

DELEGATION REGIONALE DU LITOORALE

INSPECTION REGIONALE DE PEDAGOGIE

REPUBLIC OF CAMEROON
Peace – Work - Fatherland
MINISTRY OF SECONDARY EDUCATION

REGIONAL DELEGATION FOR LITTORAL

REGIONAL INSPECTORATE OF PEDAGOGY

LITTORAL COMPUTER SCIENCE & ICT TEACHERS ASSOCIATION
LICSTA

GENERAL CERTIFICATE OF EDUCATION MOCK EXAMINATION		
ADVANCED LEVEL		
SUBJECT TITLE	796 – INFORMATION AND COMMUNICATION TECHNOLOGY	MARCH 2023
PAPER NUMBER	3	

Time Allowed: Three Hours

INSTRUCTIONS TO CANDIDATES:

- Rename the candidate folder on your desktop, to your full name

- Candidates must allow for themselves enough time to complete and check their work where these are required.

- The supervisor or invigilator will guided you on how to save your files but usually you will be expected to save all your work in your folder found on the desktop.

- Report any system failure to your invigilator.

- Examiner is to award marks base on detail and sequential study of candidate's work (files in candidate's folder)

TASK ONE (PROGRAMMING 14MARKS)

1. Using either C or Pascal programming language, design a computer program to calculate the average from two test marks (T1) and (T2). The program request the user to enter the first and second marks on separate lines, the program then computes and display the average.
   (NOTE: T1, T2 and average may have decimal values.)
   (5marks)

1. Save your code as programmer   (1mark)

2. Compile, correct all errors if any and run the program using test data: TI =14.4, T2=11.2
   (6marks)

3. Do a screenshot of your source code, test output and save in a word document title complete
   (2marks)

TASK TWO (WEB DEVELOPMENT 13MARKS)

Study the HTML Codes below

```
<!DOCTYPE html>
<html>
<body>
<h2>Text Input</h2>
<form>
 Enter name of user:<br>
 <input type="text" name="firstname">
 <br>
 User password:<br>
 <input type="password" name="psw"><br>
 Enter Gender<br>
 <input type="radio" name="gender" value="male" checked> Male<br>
 <input type="radio" name="gender" value="female"> Female<br>
 Hobbies<br>
 <input type="checkbox" name="Reading" value="Bike"> Reading<br>
 <input type="checkbox" name="Singing" value="Car"> Singing<br>
 <input type="checkbox" name=" Sport" value="Car"> Sport<br>
 Fouvorite Color<br>
 <select name="Color" size="4">
 <option value="Red">Red</option>
 <option value="Green">Green</option>
 <option value="Blue">Blue</option>
 </select><br>
 <input type="submit" value="Submit">
 <input type="reset" value ="Resit">
```

```
</form>
</body>
</html>
```

1. Using appropriate text editor in your computer enter the text above and save as *web.html*. (5marks)
2. Add a background color (*pink)* to your page (2marks)
3. Add a font color "*red*" to the page heading
    (2marks)
4. Include a page title "*developer*" to your page (2marks)
5. Do a screen capture of your output as displayed on a web browser and past in a word document title *web* (2marks)

TASK A (SPREADSHEET: 17 MARKS)

1. Using appropriate spreadsheet software in your computer to reproduce the invoice below (4marks)

	A	B	C	D	E	F	G	H
1								
2				NATIONAL INVOICE				
3								
4	**Table 1**							
5	**NAME**	**Units Consumed**	**AMOUNNT CONSUMED**	**VAT (15%)**	**TOTAL PAYMENT**	**DISCOUNT RATE**	**DISCOUNT**	**NET PAYMENT**
6	Kamga Donald	1683						
7	Nubila James	1821						
8	Mbella Peter	2467						
9	Biwole Andre	921						
10	Tita James	238						
11	Bih Mary	2987						
12	Arrey Clinton	909						
13	Namondo Paula	2432						
14	Che Simon	1654						
15	Mohamadou Issa	215						
16								
17			**Table 2**					
18	**Unit Charge**	**Payment Range (FCFA)**		**Upper bound**	**Discount**			
19	**95**	Between 0 and 100,000		100000	0%			
20		Between 100,000 and 200,000		200000	3.50%			
21		Between 200,000 and 300,000		300000	7.25%			
22		Above 300,000		>300,000	8.33%			
23								

2. Calculate the amount consumed by each customer by using fixed reference formula.
    (Note: the charges for each unit consumed (unit charge) is stated in cell A17) (2marks)
3. Calculate value added tax VAT which is 15% of AMOUNT CONSUMED (2marks)
4. Determine TOTAL PAYMENT (VAT added to AMOUNT CONSUMED) (2marks)
5. DISCOUNT RATE is a percentage which depends on the total payment to be made. The discount rates are defined on payment ranges which are given in Table 2. Insert a conditional formula (nested if or any other) to calculate the discount rate of each customer in Table 1

(3marks)
6. Calculate DISCOUNT which is (product of DISCOUNT RATE and AMOUNT CONSUMED)   (2marks)
7. Calculate total payment. (Deduct discount from total payment)   (2marks)

TASK B (DATABASE: 20MARKS)

CUSTOMER TABLE

SN	Name	Town
1	Ngono Jules	Yaounde
2	Moki Brenda	Tombel
3	Gabriel Kome	Buea
4	Hadison Okie	Kumba

SALES TABLE

SN	Itemcode	Quantity
1	S2	71
2	S5	12
3	S4	65
4	S1	50

ITEM TABLE

ItemCode	ItemName	UnitPrice
S1	Brush	650
S2	Bucket	1400
S3	Hand saw	3500
S4	Padlock	850
S5	Spade	2500

1. Use any DBMS application in your computer to create a database COMFIRMATION   (1mark)

2. Create the Tables CUSTOMER, ITEM and SALES using appropriate data types as seen above (6marks)

3. Populate the tables with the data above   (3marks)

4. Create a relationship between CUSTOMER, ITEM and SALES. Save your relationship as "*COM*"
                                                                                            (2marks)

5. Create a query to display SN, ItemCode, Quantity and TotalPayable. Save you query as "*FIRM*"
   (NB: TotalPayable is a calculated field determined by multiplying quantity and unit price)
   (4marks)

6. Make a screenshot of the CUSTOMER, ITEM, SALES, COM, FIRM AND PAST and save in a word
   document name "*TION*"

MAKE SURE ALL YOUR WORK IS SAVE IN YOUR CANDIDATE FOLDER