

Answer **all** the questions.

1. (a) With the help of an appropriate text editor, create the HTML codes to produce the page below:

My top THREE subjects are :
<ul style="list-style-type: none"> <li>1. Mathematics</li> <li>2. English Language</li> <li>3. Life Skills</li> </ul>

- (b) Set the title of the page to your full name and index number. The program codes must be properly indented.

E.g.:

```
<p>
    <u>Items</u>
</p>
```

- (c) Save the file as ORDERED\_LIST.HTML in the folder created.

[15 marks]

2. (a) Use an appropriate spreadsheet application to enter the following data:

StaffID	Full Name	Monthly Salary	Tax	Net Salary
WA01	Sunday Olisey	2500		
WA02	Appiah Joy	3500		
WA03	Esinam Mansah	6000		
WA04	Domeh Adjoa	3500		
WA05	Esi Doh	1500		
WA06	Tia Janet	1200		
WA07	Bugyei Christiana	7500		
WA08	Manugu Kanga	1500		
WA09	Yobo George	2500		
WA10	Humphrey Sam	500		

- (b) Format the cells under the Monthly\_Salary, Tax and Net\_Salary columns to have the 1000 separator (,), two decimal places and the Ghana Cedi symbol (GH¢).
- (c) Calculate the Tax using the following tax rate ranges:  
 0 - 800 is free;  
 801 - 1300 is 5%;  
 1301 - 1800 is 10%;  
 1801 - 2800 is 20%;  
 2801 and above is 25%.
- (d) Calculate the Net\_Salary for each staff, where  
 Net\_Salary = Monthly\_Salary - Tax
- (e) Protect all the cells (without password), except the cells containing figures under the Monthly\_Salary column. Protect the cells such that they can be selected but not accept entry.
- (f) Save the workbook as SALARY in the folder created.

[15 marks]

3. At a recent parent-teacher association meeting in a certain senior high school, the school authorities expressed their concern about the health of the students. Towards this, some data of the students were collected as shown below.

## STUDENTDETAIL

INDEX_NO	STUDENT_NAME	DAT-OF_BIRTH	HEIGHT	WEIGHT
WA0001	SUNDAY OKU	18/08/2005	1.6	60
WA0002	OLUWELE ABIO	14/07/2001	1.7	70
WA0003	ADADEVOR AGNES	23/06/1999	1.4	40
WA0004	PETER AKINDOLE	15/05/2000	2.0	100
WA0005	KOFI MARY	03/03/2004	1.5	50

## SUBJECT

SUBJECT_CODE	SUBJECT_NAME	TERM
CS001	COMPUTER 1	1
EN001	ENGLISH	1
CL001	COM. SKILLS	1
MS001	ALGEBRA	1
CS002	COMPUTER 2	2

## SUBJECTSELECTION

SELECTION_ID	SUBJECT_CODE	INDEX_NO
001	CS001	WA0001
202	CS002	WA0003
002	CL001	WA0005
003	MS001	WA0004
303	EN001	WA0002

- (a) Create a database named TERM in the folder created.
- (b) Create the tables STUDENTDETAIL, SUBJECT and SUBJECTSELECTION, and populate the data as shown above.
- (c) Using appropriate keys, establish a relationship among the three tables.
- (d) Calculate the body mass index (BMI) for **each** student showing all the fields in STUDENTDETAIL table and save as QRYBMI.

$$\text{NB: BMI} = \frac{\text{WEIGHT}}{\text{HEIGHT} \times \text{HEIGHT}}$$

[15 marks]

**END OF PAPER**