

SC6233
WASSCE 2022
INFORMATION
AND COMMUNICATIONS **3**
TECHNOLOGY (ELECTIVE) 3
Practical
2 hours

Name.....

Index Number.....

THE WEST AFRICAN EXAMINATIONS COUNCIL
West African Senior School Certificate Examination
for School Candidates

SC 2022

INFORMATION AND COMMUNICATIONS TECHNOLOGY
(ELECTIVE) 3
PRACTICAL

2 hours

Write your **name** and **index number** in **ink** in the spaces provided above.

You have **ten** minutes to read through the question paper before the start of the examination.

During this same period, you are expected to use your **initials** and **index number** to create a folder on the desktop of your computer. An example is given below:

This is for a candidate whose name is RAYMOND, Akushika Mawusi with **index number** 7102143958.

The folder name is **RAM7102143958** where **RAM** are the initials of RAYMOND, Akushika Mawusi and **7102143958** is the **index number** of the candidate.

Answer **all** the questions.

Save all your solutions to **each** question in the folder you created with your initials and index number on the desktop of your computer.

Ensure that your folder on the computer desktop is copied by the invigilator with the help of the technician.

Remember to **sign** against your **name** on the Candidates' Verification Form before leaving the examination hall.

1. (a) Use a spreadsheet application to prepare the table below, showing an extract of sales in Ghana Cedis (¢) from BOOMAN IMPORT AND EXPORT COMPANY.

| | A | B | C | D | E | F | G |
|---|----------|-----|-----|-------|-------|-----|------|
| 1 | COUNTRY | JAN | FEB | MARCH | APRIL | MAY | JUNE |
| 2 | CAMEROON | 67 | 43 | 50 | 44 | 20 | 27 |
| 3 | ALGERIA | 26 | 30 | 38 | 49 | 45 | 27 |
| 4 | NIGERIA | 31 | 60 | 40 | 25 | 24 | 50 |
| 5 | LIBERIA | 20 | 35 | 46 | 34 | 30 | 46 |

- (b) Save the worksheet as **IMPORT** in the folder created on the desktop.
- (c) Insert:
 (i) **one** blank row at the top of the table on the worksheet and merge the cells;
 (ii) a complete record between **NIGERIA** and **LIBERIA** with your own data.
- (d) Type the heading *BOOMAN IMPORT AND EXPORT COMPANY SALES SUMMARY* in the inserted row in (c)(i).
- (e) Format the heading as follows:
 (i) Font type - Times New Roman;
 (ii) Font size - 18 points.
- (f) (i) Create another column with heading *TOTAL SALES* in cell H1.
 (ii) Compute the total sales for **each** country.
- (g) Create an embedded pie chart showing country and total sales.
- (h) Insert your full name and index number as header.
- (i) Save your workbook as **SALES** in the folder created on the desktop.

[15 marks]

2. Using an appropriate database software, create a database and save it as **AVERAGE** in the folder created on the desktop.

- (a) Create the structure for the table below and save as MARKS.

| ID | ENGLISH | FRENCH | MATH | ICT | LEVEL |
|-------|---------|--------|------|-----|-------|
| 30097 | 87 | 65 | 77 | 60 | 1 |
| 30099 | 76 | 84 | 76 | 72 | 2 |
| 30022 | 66 | 77 | 87 | 39 | 2 |
| 30077 | 54 | 55 | 22 | 55 | 2 |
| 30064 | 67 | 89 | 90 | 79 | 1 |

- (b) (i) Display the lowest score for **each** subject. Each subject column header must begin with **Low_**.
 (ii) Save query as **LOWQUERY**.
- (c) (i) Create a query to insert the average scores of the subjects in the table **MARKS**.
 (ii) Save query as **AVGQUERY**.

[15 marks]

3. Write a program in QBASIC to determine whether a number is an even number or not.

The program should accept a number from the user and display on-screen:

- (1) Candidate's full name and index number;
- (2) The number keyed;
- (3) *The Number Is Even* or *The Number Is Not Even*.

Save the program as **EVEN** in the folder created on the desktop.

[15 marks]

END OF PAPER