840/2

INFORMATION AND

COMMUINICATIONS

TECHNOLOGY (ICT)

Paper 2

July/AUGUST, 2024

2½ hours

UGANDA PRIVATE AND INTEGRATED SCHOOLS ASSOCIATION

UGANDA CERTIFICATE OF EDUCATION

FINAL ASSESSMENT EXAMINATIONS YEAR 2024

INFORMATION AND COMMUINICATIONS TECHNOLOGY

PAPER 2

PRACTICAL

2 HOUR 30 MINUTES

INSTRUCTIONS TO CANDIDATES:

*This paper consists of **two** examination items.*

*Answer **both** items in this paper.*

*You are provided with support files in the folder **Support Files** on the computer desktop. Use the support files where applicable to supplement the items.*

*You are provided with a **new blank Compact Disc (CD)**.*

*Use a **permanent marker** to write your name, random number and personal number on your CD.*

You should continuously save your work.

*You **must** produce a **hard copy** for each of your work to accompany a soft copy on the Compact Disc (CD).*

Item 1

Your Uncle has been appointed as the new class teacher of P.4 at Basoome Primary School. He has encountered a major challenge about the manual report card system where teachers manually make report cards with their hands of which the exercise takes around three weeks to end. With this system the teachers have a lot of errors they make during computation of results and the filling in marks in the report card. This leads to tearing of a lot of report cards where mistakes have been made hence wasting school resources and time plus also inaccuracy during staff results analysis since the manual system lacks using of graphical representation of students' performance during the staff results analysis meeting where each class teacher presents results analysis of his/her class.

The school also has a policy of indicating promotion status for the P4 students to be promoted to P5 after meeting a certain mark as; Students whose total is 200 and above are promoted to P5 and students whose total is below 200 are to repeat P4.

Your Uncle would love your help to have a computerized reporting system to quicken report making process and have a nice looking report card with *school badge as water mark, Student ID, Student Name, Gender, House, Total scores, Position, Subject marks, Total, Subject Teacher's Initials* and *promotion status* all being automatically generated.

Your Uncle has drafted how the report will look like (Template) in the support file **REPORT.docx**. The record of each students details and marks have been extracted and given out in the support file **RAW DATA.docx**. A school budge image has also been provided as **BADGE.jfif**

Task

Help your Uncle by using support files provided

(a) Create an electronic storage of the students' data, use it to make proper data manipulation and also produce graphical expression of data which will be used by the class teacher during the presentations in the staff results analysis meeting.

(b) Generate a report card for each student.

Item 2

A group of talented Artists in your community wish to expose their Art pieces and craft to the world so as to be seen and bought by interested individuals. They decide to use ICTs to fulfil their dream where interested buyers can navigate the *Historical background* of Art in the community, *Gallery* of multiple Art pieces and craft with price of each piece in dollars.

The community is also intending to provide an **active form** where Community Artists can submit images of their Art pieces on the site for sale.

Task

Develop an online platform that will be used to address the community Artists concerns. A support folder named **Artworks** has been provided containing some files which you can use.