840/2
COMPUTER STUDIES
Paper 2
July. 2018
2 Hrs 15 Minutes

Resourceful Examinations

COMPUTER STUDIES

Paper 2

2 hours 15 minutes

INSTRUCTIONS TO CANDIDATES:

This paper is made up of two sections; **A** and **B**.

Section **A** contain **One Compulsory** question

Section **B** contains three questions. Answer any **two (2)** questions in this section.

Each Candidate is provided with a new blank **compact disk** or a **flash disk**.

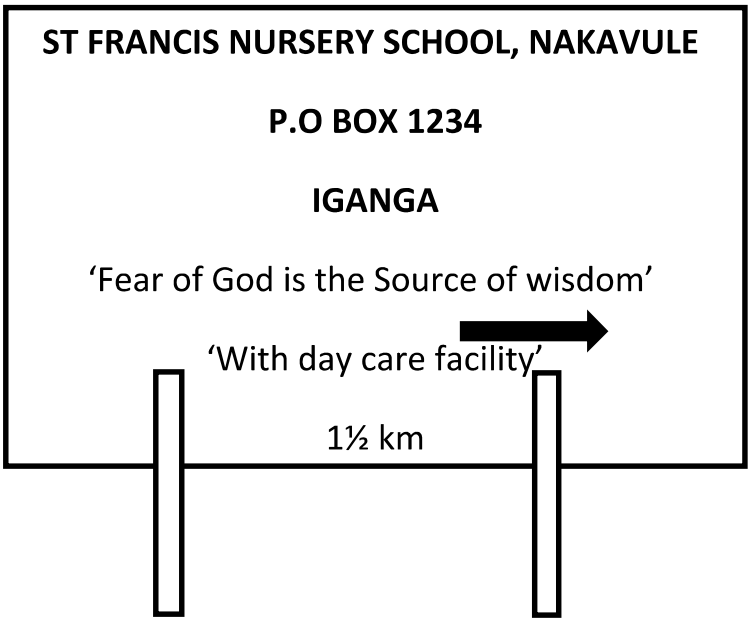
Each candidate must provide a hardcopy for each of his/her work to accompany the **compact disk** or **flash disk**.

Software help wizard **must not** be used.

Section A

1. In countryside, schools still prefer using wood to design sign post. A sign post looks like the specimen.

1.a Using a suitable word processor design the specimen of a sign post below and save it as your name and personal number***(8marks)***



Required:

- **a.** Bold , change the heading to Title case ***(2marks)***
- **b.** Change the font name of the heading to Castellar and font to 12 ***(2marks)***
- **c.** Change the background of your signpost with light color and poles with black color***(2 marks)***
- **d.** Change the font color of the heading to red color and rest of the text to light green ***(1mark)***
- **e.** Group your shapes to appear as one block ***(1mark)***
- **f.** Insert your name as a header and center align, while your personal number as a footer and left align it ***(1mark)***
- **g.** Insert a suitable clip art in your sign post***(1mark)***
- **h.** Center align your sign post ***(1mark)***
- **i.** Make a print out of your work ***(1mark)***

(b) The Marksheet below for computer trainees group 1 at Mutoro Community Computer Center to answer questions that follow. Save as your name and personal number. E.g. (Panda-001). **(3 marks)**

	A	B	C	D	E	F	G	H	I	J
1	MUTORO COMMUNITY COMPUTER CENTER									
2	MARKSHEET FOR COMPUTER TRAINEES -GROUP 1									
3	Inde №	Name	Word Processing	Spreadsheet	Presentation	Database	Web Design	Total	Average	Rank
4	MT001	Jame Gayo	65	78	56	45	70			
5	MT002	Peter Kityo	53	85	88	78	60			
6	MT003	Ann Banda	45	96	66	98	45			
7	MT004	Rose Asera	87	56	55	65	47			
8	MT005	John Guma	75	58	63	35	59			
9	MT006	Robinah Tata	23	58	24	66	53			
10	MT007	Edgar Aleni	75	23	55	47	96			
11	MT008	Jennifer Ssentongo	51	52	56	63	53			
12	MT009	Edwin Yiga	57	78	22	34	58			
13	MT010	Albert Semi	56	74	55	56	75			

(a) Copy your in sheet one and paste it in page two and use it to answer questions (b) to (j). **(1 marks)**

(b) Using a suitable formula find the total marks for each student. **(2 marks)**

(c) Using a suitable formula find the average marks for each student. **(2 marks)**

(d) Format the average mark column with two decimal places. **(2 marks)**

(e) Using a suitable formula rank the students using the average mark. **(2 marks)**

(f) Compute highest total and average mark in cell **H14** and **I14** respectively **(2 marks)**

(g) Select the columns, Index №, Word Processing, Presentation and Database and draw a column chart to represent the data. **(2 marks)**

(h) Insert the title and subtitle as shown on the table, with font size 16 and 14 respectively. **(2 marks)**

(i) Insert your name and personal number as a footer and center it. **(1 marks)**

(j) Print the work copied to sheet two and the graph generated. **(1 marks)**

SECTION B (60 MARKS)

Attempt any **two** *questions in this section*

3. The ICT teacher is not feeling well and has requested you to use your computer notes and prepare a six slide presentation for the Senior three computer students lesson about Computer Hardware devices. Save your presentation as **S3-lesson - Your name.** (2marks)

The following are the main categories the teacher wants you to focus on:

- Input hardware
- Output hardware
- Storage hardware
- Communication hardware

(a) **Slide I:** The slide title should be the main topic for the lesson and its brief description. Insert an appropriate clip art on the top right hand corner (2marks)

(b) **Slide II:** The slide title should be **Input Hardware**. Give a brief explanation and provide a bulleted list of at least four examples of input Hardware devices. (3marks)

(c) **Slide III:** The slide title should be **Output Hardware**. Identify two devices and give a brief explanation about each. (3marks)

(d) **Slide IV:** The slide title should be **Storage Hardware**:
Tabulate the examples under two categories Optical storage and Non Optical storage devices. (4marks)

(e) **Slide V:** The slide title should be **Communication Hardware**. Identify two examples o the devices and briefly explain how they work. (3marks)

(f) **Slide VI:** The slide title should be **Revision Questions**. State three revision questions about Hardware devices for the students to attempt in their free time. (3marks)

(g) Set all slide titles to Font size = 45; Comic Sans; Font Colour = Blue (3marks)

(h) Choose a common transition to all slides and set them to loop continuously till escape. (2 marks)

(i) Insert the current date that updates automatically as a footer and your name and personal number as a header. (3 marks)

(j) Print the all the six slides on the same page (2marks)

4. The following tables were provided by the sales person of IMPACT Computer supply. Create a database and name it your name***(3marks)***

Table 1: Hardware Components

HARDWARE ID	ITEM	BRAND NAME	D.O.M
YYC-001	Data Projector	HP	12/04/2010
YYC-004	Dell-system unit	Dell	24/12/2009
YYC-003	Smart board	HP	25/07/2010
YYC-005	LCD Monitors	Acer	18/09/2011
YYC-007	HP Laser Printer	Dell	05/12/2010

NOTE: D.O.M -Date of Manufacture

Table 2: Specification and Price

HARDWARE ID	PRICE (SHS)	QUANTITY SOLD	Hardware cost
YYC-001	3000000	01	
YYC-004	1000000	10	
YYC-003	7000000	01	
YYC-005	600000	15	
YYC-007	400000	02	

a. Create the two tables above with appropriate data types and save the as Hardware and Specifications respectively ***(6marks)***

b. Lookup the MAKE field in Hardware table ***(3marks)***

c. Choose the appropriate field as your primary key for your tables

d. Create a table relationship between the two tables ***(2mark)***

e. Create a query using all the fields from the two tables and add one field for Amount. In this column determine the amount of money received from the sales. Save the query as sales ***(4marks)***

f. Design a query that will return the products that were manufactured during 2010 and save as make 2010 ***(2marks)***

g. Design a report to show items from the query using the following field names: Hardware ID, item, Price, Quantity and Amount and save it as impact ***(3mark)***

i. Insert current date and time ***(3mark)***

ii. Insert the Heading as IMPACT COMPUTER Supply, change the font color to red, center and the background color to yellow ***(3marks)***

h. Create a form ,from both the to compute hardware cost, save as **Amount Spent (4marks)**

5. You have been awarded the contract of designing a website for a school composed of four pages.. Design and save the website as **MY SCHOOL SITE**
The school administration has given you the following information to be included on the website

(a) Page One: HOME PAGE (2 marks)

(i) School name and school logo (2mark)
(ii) A well come statement which should be set to run always from right to left (2 marks)
(iii)A brief explanation about the school including the following (5 marks)
-Two names of founders , when it was started, the current student population.
-Indicate whether the school is boarding or day, single sex or mixed school.
- School motto
- Mission statement of the school.
(iv) Active links to other three pages of the site. (3marks)
-

(b) Page two: SCHOOL PROGRAMME (2 marks)

Add a table with two columns one showing the **Time** and the other the **Activity** indicating at least five school programmes with their respective times. (3marks)

(c) Page three: CONTACT US *(2 marks)*

Add on this page the following:

- Location of the school (1mark)
- Telephone Contact (Office) (1mark)
- Postal Address of the school. (1mark)
- Email address (1mark)

(d) Page four: ACADEMICS: (2 marks)

Give two columns of bulleted lists of all subjects taught in the school categorized under Compulsory and Optional subjects. (2marks)

(e) Print your work (1mark)