NAME ……..

Index no…… Signature……..

840/2

COMPUTER STUDIES

(Practical Paper)

Jul/Aug 2018

2½ Hours

RESOURCEFUL MOCK 2018

Uganda Certificate of Education

COMPUTER STUDIES

(Practical Paper)

Time: 2 hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

- *Don't write anything on this question paper. You will leave it here in the lab at the end of the exam.*
- *This paper consists of **two** Sections **A** and **B.***
- *Section **A** contains **onecompulsory** questions. Section **B** contains three questions of which you can choose **any one** questions from the section.*
- *On your desktop, you are required to create a new folder with a name, "S4 MOCK-yyyy" **Where**yyyy is your full name. All work will be stored in this directory.*
- *You are to use the last 10 minutes of your time to write the folder containing all the work done in this examination to the compact disc provided.*
- *Software help wizards must not be used.*

SECTION A

Attempt all question from this section

1.

a) (i) using Type the text as it is and Save this work in your folder as "**Judy Malware**" ***(05 marks)***

Millions of Android phones hit by 'Judy' malware

Researchers at Check Point said they found the malware, dubbed Judy, **on about 50 apps** in Google's Play Store.

The apps contain code that sends infected devices to a target webpage, where they generate fraudulent clicks on the site's adverts to make money for its creators.

The infected apps have been removed from the Play Store.

More than 40 of the apps were from the South Korean developer,*Kiniwini*, which publishes games to the Play Store under the name *Enistudio*.

The games, all of which feature a character called Judy, have been downloaded between four million and 18 million times.

Source: BBC online

Required:

(ii) Copy and paste it to the next page and apply the changes on the **duplicate copy**. ***(02 marks)***

(iii) Make the heading Center aligned, uppercase, font color green. ***(03 marks)***

(iii) Apply a three lines drop cap on the first letters of second and last paragraphs. ***(02 marks)***

(iv) Insert your **full name** as the Header and your index number as the footer. ***(02 marks)***

(v) Insert a footnote after the word **play store** include this message

"*The apps got past the Play Store's protection system, Google Bouncer, because they do not contain the malicious part of the Judy code.*" ***(02 marks)***

(vi) Apply a background of any texture of your choice and include a watermark "MALWARE" ***(02 marks)***

(vii) Put a 3pt **broken line** border around the first page ***(01 mark)***

(viii) Save and Print your work ***(01 mark)***

b) The information below is drawn

	A	B	C	D	E	F	G
1	SNO	Name	Science	Maths	Computers	Total	Average
2	1	Chemutai	70	80	87	--	--
3	2	Sango	90	98	89	--	--
4	3	Neelu	90	90	98	--	--
5	4	Roberta	60	76	79	--	--
6	5	Serugo	50	45	67	--	--
7	Max				--		
8	Total		--				

a) Enter the above information using Microsoft Excel. ***(02 marks)***

b) To calculate the Total Marks as sum of Science, Maths& Computers for each student and display them in column F. ***(02 marks)***

c) To calculate the average marks for each student and display them in column G. ***(02 marks)***

d) To calculate the highest marks in Computers and display it in cell E7. ***(02 marks)***

e) To calculate the total number of students appearing for the Science test and display it in cell C8. ***(02 marks)***

f) insert a column for position in **H** and rank the students according to their total marks. ***(02 marks)***

g) Plot a bar graph of showing subjects against students in worksheet 2 include the right labels. ***(04 marks)***

h) *Insert your full names to the left header section and of the worksheet.* ***(02 marks)***

i) *Rename the worksheet containing the chart to "**Chart sheet**"* ***(01 mark)***

j) Save and print your work as "***Exams***" in your folder. ***(01 mark)***

SECTION B

Attempt any one question from this section

3. As a member of wildlife club, you have been appointed by your Patron teacher to address Parents during PTA meeting about the subject called Climate Change. The topic is "Climate Change".

a) Prepare a five-slide presentation to deliver your content to the Parents considering the following;

I. Slide one is a title slide. ***(02 marks)***

II. Slide two contains a description of Climate Change. ***(04 marks)***

A change in global or regional climate patterns, in particular a change apparent from the mid to late 20th century onwards and attributed largely to the increased levels of atmospheric carbon dioxide produced by the use of fossil fuels.

III. Slide three should have causes of Climate Change and relevant pictures ***(04 marks)***

Natural causes

The Earth's climate can be affected by natural factors that are external to the climate system, such as changes in volcanic activity, solar output, and the Earth's orbit around the Sun.

Human causes

Climate change can also be caused by human activities, such as the burning of fossil fuels and the conversion of land for forestry and agriculture. Since the beginning of the Industrial Revolution, these human influences on the climate system have increased substantially.

IV. Effects of Climate change using unordered list. ***(04marks)***

High levels of extinction.

Serious impacts on the world's water systems through more flooding and droughts.

Melting glaciers

Bleaching and death of the coral reefs.

Global sea level rise.

V. Slide four should have solutions to global warming using ordered list ***(04 marks)***

Increased use of Renewable fuels instead of fossil fuels

Reforestation and green farming

Tougher Emissions and Efficiency Standards

Awareness campaigns

b) Let your slides have a fly-in transition effect from top left corner ***(03 marks)***

c) The slides should be able to convey the appropriate message to the using clip art. ***(04 marks)***

d) Apply a swivel animation effect to all slide titles and checkerboard for the other sections of the slide. ***(02 marks)***

e) Insert the current date as your footer. ***(02 marks)***

f) Save your presentation with your "Full name" on a CD ***(01 marks)***

4. **Southern solutions** is a computer hardware solutions provider dealing in a wide range of electronic products. You have been hired to create a database for this company.

Table 1: Products list

Device Name	Hardware Id	Class	Warrant period (years)	Quantity in stock
Printers	PROD01	B	2	1,500
LCD screen	PROD02	B	2	680
Laptops	PROD03	A	4	640
Speakers	PROD04	C	1	1,800
Projectors	PROD05	A	5	750
External HDD (1TB)	PROD06	B	1.5	1,450
Digital cameras	PROD07	A	3	750
Flash disks	PROD08	D	0.5	3,000
Compact discs	PROD09	C	0.1	5,000

Table 2: Further details

Hardware Id	Price Ug. Shs	Manufacturer	Branch	Total capital
PROD01	150,000	Hp	Jinja	
PROD02	220,000	Acer	Jinja	
PROD03	1,400,000	Samsung	Arua	
PROD04	90,000	Geepas	Jinja	
PROD05	2,540,000	Toshiba	Arua	
PROD06	190,000	Seagate	Jinja	
PROD07	190,000	Sony	Arua	
PROD08	55,000	San Disk	Jinja	
PROD09	2,000	Imation	Jinja	

Required:

(i) Save the Database as "***Southern solutions Company***" ***(02 marks)***

(ii) Create the two tables in design view and choose the appropriate primary key for each table and name the first one "***Product list***" and the second one "***Product details***". ***(08 marks)***

(iii) Create a relationship between the two tables. ***(04 marks)***

(iv) Create a form for each of the above tablesatleast having a clipart as logo and save it as Products form and Further details form. ***(06 marks)***

(v) Create a query to display Hardware Id, Device name, Manufacturer, Class, Branch for products in class A and are found at the Arua branch and name it "**Arua branch**". ***(02 marks)***

(vi) Create a query to calculate the total capital assume Total Capital = [Price in Ug. Shs]* [Quantity in stock.] and name it "**Total Capital**" ***(02 marks)***

(vii) Create a query to show Hardware Id, Device Name, Class, Price for products that are in class A and are 750 or above in stock ***(02 marks)***

5. You have been contracted by the **Wildlife club** of your school to design a website for them so as to show their activities and let the world know about them.

Required;

Create a website of five pages containing the information underneath.

Page I: Welcome remarks ***(06 marks)***

The first page should have general welcoming remarks to the visitors of the site.

Page II: About the Wildlife club ***(06 marks)***

This page should have information the about club, its history and future prospects and relevant graphics.

Page III: Leadership ***(06 marks)***

Ensure that this page has information regarding the Patron and executive members.

Page IV: School Program ***(06 marks)***

Add a table and include the activities and scheduled dates for such activities and the person responsible. The table should have at least three columns.

Page V: Contact us ***(06 marks)***

Add on this page in a bulleted format, Telephone Contact (Office), Telephone contact Patron), The School Name, Postal Address of the school, Feedback link which a visitor to the website can follow to send an email.

END