840/2
Computer Studies
Practical
2 Hrs 15 Min
2020

Uganda Certificate of Education
Computer Studies - 2020
Practical Examinations
2 Hours 15 Minutes

INSTRUCTIONS TO CANDIDATES

a) *This paper is made up of two Sections **A**, and **B** respectively.*

b) *Section **A** contains **one** question. This question is **compulsory**.*

c) *Section **B** contains **three** questions. Answer any **two** questions from this section.*

d) *Each candidate is provided with a new **blank compact disk** or a **flash disk**.*

e) *Each candidate must produce a **hardcopy for** each of his/her work to accompany the compact discs or flash discs.*

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

SECTION A: (40 MARKS)

1. (a). Using a word processing program of your choice, key in the following piece
of text and save it as **thebrain**.   (04 marks)

What's it the most we can remember

Unlike digital cameras with full memory cards that cannot snap any more pictures, our brains never seem to run out of room. Yet it defies logic that one adult human brain – a "blood-soaked sponge," in writer Kurt Vonnegut's words – should be able to limitlessly record new facts and experiences. Neuroscientists have long tried to measure our maximum mental volume. However, what scrambles any simple reckoning of memory capacity is the astounding cognitive feats achieved by dedicated individuals, and people with atypical brains.

Many of us struggle to commit a phone number to memory. How about 67,980 digits? That's how many digits of pi that Chao Lu of China, a 24-year-old graduate student at the time, recited in 2005. Chao uttered the string of numbers during a 24-hour stretch without so much as a bathroom break, breaking the world record.

Savants have pulled off arguably even more amazing performances, capable of astounding feats of recall, from names and dates to the details of complex visual scenes. And in rare instances, injuries to previously healthy people have seemingly triggered "acquired savant syndrome." When Orlando Serrell was 10-years-old, for example, he was struck by a baseball in the left side of his head. He suddenly found he could recall countless licence plates and compute complex calendrical items, such as what day of the week a date from decades ago fell.

Source*: http://www.bbc.com/future/story/20150401-whats-the-most-we-can-remember*

Instructions:

a). Copy this work to page three of your document.   (02 marks)

b). Insert a water mark in page two only of this document containing a word **THE BRAIN** in font size 52 and colour red.   (02 marks)

c). In page 3 Convert the three paragraphs into three columns of your work.   (02 marks)

d). Drop cap the first letter in each paragraph and change font colour to red.   (03 marks)

e). Justify all the work in page three.   (02 marks)

f). Insert a footnote on the work memory to contain "*refers to a store of data during data processing*".   (02 marks)

g). Insert header, your name; footer your class and stream, print one copy.   (03 marks)

(b). Using a spreadsheet application of your choice, key in the following details as they appear and save the work as **canteen**.   (02 marks)

Item Name	Quantity	Unit Price	Commission	Net Price
Daso	40	800		
Chappu	60	500		
doughnut	90	800		
Milk	90	800		
Pancake	100	250		
Sumbi	32	250		
Rolex	18	800		
Stone cake	24	250		
Half cake	40	250		
Yorghut	90	160		
Layo	90	150		
Bogoya	78	250		
Bagiya	63	20		
Omondi	121	250		
Musiba taayi	13	500		

Instructions:

a). Add two row headings from cell A18 downwards for:

    (i).   Highest.   (01 mark)
    (ii).   Lowest.   (01 mark)

Hence, determine the values in respect to Quantity and Unit Price respectively.

b). Insert a new column between Unit Price and commission for gross sales; thence, determine the gross sales for each item. (02 marks)

c). Using the values from (b) above, determine commission given the Commission is 10% of Gross Sales. (02 marks)

d). Net sales is given as a difference between gross sales and commission. determine net sales for each item. (02 marks)

e). Add a new column for New Net Sales given that the discount is 15%. In this column, determine the new net sales for each item. (02 marks)

f). Using data series for Item Name, Net Sales and Net New Sales, create a column graph to represent this data. Remember to have columns for Net Sales Column graph and New Net Sales as line graph as one graph as an object in sheet2. (04 marks)

g). Insert footer your name, and print your work. (04 marks)

SECTION B: (60 MARKS)

2. Using a program of your choice, create a database saved as **sales**. (03 marks)

ProductID	Product Name	Quantity	Unit Price	Quantity Returned
KFM/001	Yoghurt	1,000	800	150
KFM/010	Afia	1,000	800	60
KFM/020	Safi	400	800	84
KFM/030	Wheat flour	600	4,000	100
KFM/002	Rwenzori	700	800	300
KFM/012	Exercise books	3,000	250	02
KFM/022	Pens	4,000	500	10
KFM/032	Pencils	2,000	50	21
KFM/003	Books	1,500	250	400
KFM/023	Rulers	60	500	01
KFM/033	Reams (photocopy)	200	18,000	07
KFM/004	Bulbs	800	1,000	03
KFM/014	Sweets	10,000	50	00
KFM/024	Ice - cream	250	500	00

Instructions:

a). Design a table to hold the above records and save it as **sales2015**. (05 marks)

b). Create a form you will use to populate the above records. On the form, add a form title, **DATA ENTRY**. (05 marks)

c). Create two queries to return the following using all the field names:

(i). Items whose quantity is above 1000 and save it as **above1000**. (02 marks)

(ii). Items whose first letter is between O and T. Save the query as **OandT**.
(02 marks)

d). Add a field name **Gross Sale** in a query. Hence, determine the **gross Sales** for each commodity. save the query as **grossprice**. (04 marks)

e). Using your answer in (d) above. Create a report saved as **grosssalereport**.
(03 marks)

f). Print all you work. (02 marks)

3. Prepare an automatically running presentation to hold the following details. Save it as **environment**.

Slide one: to include the heading, environment degradation. Add your name in the subtitle area as the presenter. (04 marks)

Slide two: to include causes of environmental degradation. (04 marks)

Slide three: to include dangers of environmental degradation. (04 marks)

Slide four: to include solutions to environmental degradation. (04 marks)

Instructions:

a). Use presentation minimal speed. (02 marks)

b). Apply minimal animations. (02 marks)

c). Add relevant clip art. (02 marks)

d). Use word art for the title in the first slide.   (02 marks)

e). Add speaker notes in the first slide reading: *environment refers to man and his surroundings*.   (02 marks)

f). Print your work.   (02 marks)

END