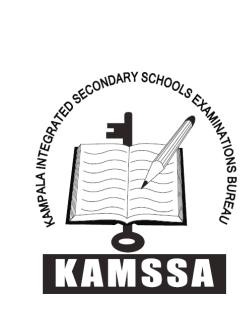*840/2*
COMPUTER STUDIES
PRACTICAL
Paper 2
July/Aug 2022
2 ½ Hours

KAMSSA JOINT MOCK EXAMINATION
Uganda Certificate Of Education

COMPUTER STUDIES
(PRACTICAL)
PAPER 2
2 HOURS 30 MINUTES

INSTRUCTIONS TO CANDIDATES

This paper consists of **two** sections, **A** and **B**.

Section **A** consists of *TWO compulsory* question **1(a) and 1(b).**

Section **B** contains **three** questions. Attempt any **two** questions from this section.

Each candidate is provided with a **Compact disc or Rewrite CD**

Candidates should continuously save their work.

Each candidate must produce hard copy for each of their work to accompany the compact disc. Flash Disks are not allowed

SECTION A, (40 MARKS): All Questions Are Compulsory

1) **A)** Using a word processing program, typeset the passage below and save at as "your name-network". (05 marks)

What is a Network?

The network used to interconnect computers in a single room, rooms inside a building or buildings are normally called local area networks (LANs). LANs normally transmit data in a digital form using media such as coaxial cable or multithreaded cable. Local Area Network can be used only on one side of a building. The terminals and workstations are able to connect either one of the 'two' host computers when required.

The <u>network</u> has a file server and a print server. The file server is a special computer that provides a form of auxiliary storage that can be used by any other computer on the network. The print server is a special printer that can receive data from other computers on the network and print it. It is possible to connect an external communications server on the LAN with a device which makes communication possible between the equipment of the network and system elsewhere, e.g. modem.

For example, in the IT department of the Nepal Electricity Authority, there are more than 30 computers working at the same time. The authority can get information about whatever is being operated on any computer. All things can be connected to the file server.

a) Add a suitable heading of your choice to the passage (01 mark)
b) Apply 16pt font size with bold and italic for heading and center align it.(03 marks)
c) Apply paragraph spacing after 12pt for all paragraphs. (01 mark)
d) Insert footnote "Two or more than two computers connected with or without cable" to the underlined word of the second paragraph. (02 marks)
e) Insert a clip art on the right side of the second paragraph, set text wrapping to square and insert caption below clip art as "***Figure 1: Clip art Picture***". (02 marks)
f) Add a blue printed water mark of your name and index number to the first page only. (02 marks)
g) Convert the last paragraph into two columns with a line in-between. (02 marks)
h)   Insert the current date in the footer section of your document. (01 mark)
i) Save and produce a hardcopy of your document. (01 mark)

B) Enter the data below in a spreadsheet program, and use it to answer questions that follow; (04 marks)

	A	B	C	D	E	F
1				Panda EST		
2				Monthly Sales Report-July		
3	Emp.No	Name	Salary	Sales Amount	Comission	Total Salary
4	S101	Ahmed	1600	2500		
5	S105	Hassan	1800	3000		
6	S1012	Ali	1500	2200		
7	S107	Waleed	2000	4500		
8	S110	Mohammed	1700	3500		
9	S103	Samir	1600	2500		
10						
11		Totals				
12		Average				
13		Highest				
14		Lowest				
15		Count				
16						

a) Format the worksheet as shown in the extract above. (02 marks)
b) Using a formula, determine the commission for each employee (Hint: commission=sales*2%). (02 marks)

c) Determine the total salary for each employee using a function (Total- Salary=Salary + Commission). (02 marks)
d) Enter formulas to calculate the Totals, Average, Highest, Lowest and Count Values for each column. (05 marks)
e) Format all numeric data to include a thousand separator and two decimal places. (02 marks)
f) Add a header of your name in the left section and page numbers in the center section. (02 marks)
g) Save and print your work. (01 mark)

SECTION B, (60 MARKS):
Attempt Any Two Questions

2) There is rampant fire outbreaks in schools today. The fire department of your nearest police station has appointed you as a fire fighter trainer for your school. Prepare a five slide presentation you will use for training fellow students as follows;

Slide one: introductory slide with the title, name of the trainer and the current date and time. (03 marks)
Slide two: common causes of fire outbreaks in schools (04 marks)
Slide three: preventive measures of fire outbreaks in schools (04 marks)
Slide four: firefighting equipment in your school (03 marks)
Slide five: tabular data showing fire cases in schools (04 marks)

Fire cases	Percentage
Unintentional	24
Intentional	46
Act of nature	2
Cause under investigation	7
Cause undetermined	6
Others	1
Failure of equipment or heat source	14

a) Illustrate the data in the table above on a pie-chart on a new slide. (03 marks)
b) Use appropriate animation schemes to view your presentation. (02 marks)
c) Apply clipart and word art where necessary. (02 marks)
d) Use transitional slide effects to all your slides. (02 marks)
e) Apply appropriate design templates and background colour. (02 marks)
f) Save and print a handout of your slides on one page. (01 mark)

3) .The LC1 chairman of kyaliwajala village has a database of his residendents and below is a sample extract of the above database. Use it to answer questions that follow;

Resident_ID	Resident_ Name	Sex	Age	Place_of_ birth	Tel_No
M001	Kawalya syrus	M	17	Masaka	07890404057
M002	Kamuwaga rajab	M	16	Masindi	0772 344530
M003	Opio simon	M	19	Jinja	0756789854
M004	Ainembabazi Eunice	F	30	Wakiso	0773786471
M005	Atuhaire bridget	F	24	Luka	0772456700
M006	Ochan peter	M	24	Jinja	0703456785
M007	Kawogo jane	F	30	Masaka	0800235789
M008	Yani ann	F	20	Mubende	0790873455
M009	Kyewuya ernest	M	19	Kampala	0787944533
M010	Kangave rayan	M	15	Wakiso	0778939889
M011	Paul alinaitwe	M	16	Mityana	0772345790
M012	Kabatooro linda	F	42	mpigi	0773266677

a) Using a database management system of your choice, create a database "**Security.dbs**" and within it create the above table saved as "**kyaliwajala residents**".
(03 marks)

b) Set a suitable primary key and data types for the above fields and set the filed size of the place of birth to 10 characters. (03 marks)

c) Use the lookup wizard for the sex filed. (02 marks)

d) Create a form and use it to populate the table above. Save the form as "kyaliwajala form". (07 marks)

e) Create the following queries and filter; (06 marks)
    i. Residents who are 30 years and above. Save it as "elders"
    ii. Filter all residents from Masaka and Jinja. Save it as "Masji"
    iii. Filter out all residents whose telephone numbers begin with "077". Save it as "MTN subscribers"

f) Create a report containing all fields and sort it in ascending order grouped by sex. Save it as "general report". (02 marks)

g) Change the background colour of the report to light green. (01 mark)

h) Assuming all residents earn a uniform salary of 800,000. Create a report and calculate the tax paid by each resident(Hint: Tax=10% of Salary), (03 marks)

i) Create a report for "MTN subscribers" using a query created in part (iii) above.
(02 marks)

j) Save and print your queries and report objects. (01 mark)

5. As a Specialist with the designing of Web Pages, you have been invited to join the competition to design a website for promoting the 2022 World cup due to take place in Qatar. In your layout of the site include the following characteristics on the website:

a) Current News about the world cup, other competitions that have taken Place so far etc.
(04 marks)

b) Contact addresses and feedback of the organizers (03 marks)

c) Organizational Structure of the Organizers (05 marks)

d) Two hyperlinks : one to the document in a) the ecology
In relation to sports and another opening the document in b) Information about the continents to participate (i.e. the countries' geography etc.) (10 marks)
The website should be very attractive and professional. Include also a relevant logo, the source, current date when designed, contact of the author, last update and references where necessary. (08 marks)

END