840/2
COMPUTER STUDIES
PRACTICAL
Paper 2
July/August, 2023
2½ Hours

TESO SECONDARY SCHOOLS MOCK EXAMINATIONS ASSOCIATION (TESSMEA)

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** *questions* **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.**

Flash Disks and Floppy Diskettes should **not** *be used to save learners' work.*

Candidates are advised to continuously save their work.

Each candidate **must** *produce a hardcopy for each of their work to accompany the compact disc.*

Turn Over

1. (a) Using a word processing software of your choice, type the information given below and make the necessary changes as required. *(03 marks)*

We live in a God-gifted world, but humans are the reason behind the deterioration of the environment. Everything that surrounds us constitutes the environment. The earth is made up of various environments in which all living and non-living things coexist. Nature's biological, physical, and natural forces interact to generate conditions that allow creatures to survive. The environment is a term used to describe such circumstances.

A derivative of the word environment is the French word 'environ', which means 'to surround.' The environment is made up of all biotic (living) and abiotic (non-living) things. Plants, animals, human beings, and insects are examples of biotic components. They are classified as biological environmental components. Every living thing has a predetermined life cycle. The human being, for example, is the most powerful living entity on the planet. To meet his needs, he requires plants and animals. Without these components, the life of human beings will be disordered.

(i) Copy the typed text above to page two.
(01 mark)
(ii) Assign the text above an appropriate heading of your choice, bold and centre align it.
(03 marks)
(iii) Apply a double red underline to the heading *(02 marks)*
(iv) Insert a text watermark of your name on the second page only. *(01 Mark)*
(v) Find and replace the word "environment" with "surrounding". *(01 Mark)*
(vi) Set margins to: top and bottom, 1.5 cm; left and right to 2.1 cm.
(02 marks)
(vii) Justify the whole document with a line spacing of 1.5, and a font size of 12.5
(03 marks)
(viii) Insert the page number in the format of "A" in the right header. *(02 marks)*
(ix) Save your work as "your name-Environment" and make a print of it.
(02 marks)

(b) SPREAD SHEETS

Using a spreadsheet program of your choice, enter the following records and take out the instructions below and save the work as Your name- **canteen 2023**
(04 Marks)

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Item name	Quantity	Price (SHS)	VAT 18%
Sumbi	120	250	
Daso	200	800	
Chappu	150	500	
Rolex	250	1000	
Tassa	150	100	
Egg roll	600	300	
Doughnuts	250	250	
Pancakes	360	200	
Biscuits	150	100	
Bagiya	500	100	
Bogoya	560	500	
Chips	320	1000	
Kebab	560	1000	
Mineral water	500	600	
Passion fruit Juice	125	1000	

Instructions.

(a) Copy your work to sheet2 of your workbook. *(01 Mark)*

(b) Insert a column between **Price** and **VAT** to determine the **Gross Amount sold** *(Gross amount sold is product of Quantity and Price).* *(03 Marks)*

(c) Using cell E2, determine **VAT** for each of the products sold in the canteen *(VAT is 18%*Gross amount sold).* *(01 Mark)*

(d) Insert a column after **VAT** to determine the Net Amount. *(02 Marks)*

(e) Add two row headings for Highest and Lowest in cells A18 and A19 respectively. Using these rows, determine the values for VAT only. *(02 Marks)*

(f) Insert a heading for your table as **CANTEEN SALES FOR WEEK 1.** Merge and centre it. *(03 Marks)*

(g) Add a column for COMMENT after **Net amount** and use the VLOOKUP function to automatically generate a comment "GOOD" for a **Net amount** of at least 230,000/=, "FAIR" for at least 150,000/=, otherwise "**POOR** *(03 marks)*

(h) Print your work. *(01 Mark)*

SECTION B: (60 MARKS)

2. The table shows Employees of Genex Computer Center.

EmpNo	Surname	DateEmp	TelNo	Department	Allowance	Basic Salary	Gross Salary
BP001	James	01/01/2013	0782141517	Store	UGX 260,000	UGX 650,000	
BP002	Kenneth	23/04/2010	0744405670	Production	UGX 275,000	UGX 850,000	
BP003	Arthur	05/05/2012	0745718782	Marketing	UGX 468,000	UGX 750,000	
BP004	Junior	03/05/2011	0756024589	Production	UGX 565,000	UGX 660,000	
BP005	Mbappe	01/01/2012	0782456523	Store	UGX 350,000	UGX 950,000	
BP006	Denis	09/09/2012	0312636545	store	UGX 350,000	UGX 800,000	
BP007	Evans	15/12/2012	0313656987	Marketing	UGX 470,000	UGX 680,000	
BP008	Geoffrey	01/03/2015	0705757879	production	UGX 550,000	UGX 830,000	

(a) Create a database and save it as "**Genex Computer Centre**". *(02 marks)*

(b) Design a table to populate the above data with appropriate data types and a primary key. Save it as "Employees". *(05 marks)*

(c) Using all the fields in your table, create a query that will return the Gross Salary of each employee. Save the query as **Gross Salary**. *(03 marks)*

(d) From the query Gross Salary, create a query that displays all employees who were employed before February 2012 and earn a basic salary of more than UGX 800,000. Save the query as **ROYALS**. *(04 marks)*

(e) Create a query for those employees whose names end with letter "**r**" and working in the department of Marketing. Save it as **Dept Mark**. *(03 marks)*

(f) Produce a report grouped according to department that extracts the following information from the query in (c) above: **EmpNo, Department, Surname, Basic Salary** and **Gross Salary.** Save it as **Grouped Report**. *(04 marks)*

(g) Create an input form that can be used to enter data in the table. On the form, add a company logo (use any image from computer) and save the form as **Data Entry Form**. Include your name and personal number as page footer. *(04 marks)*

(h) Create another query to show years spent by employees in this company. Save it as Employee Years. *(03 marks)*

(i) Print all your work. *(02 marks)*

3. a) As a Christian or Muslim student leader at your school, create five slide presentation on the importance of fasting as follows:

   (i) **First slide**: Heading and the presenter's name and Personal number.

   (03 Marks)

   (ii) **Second slide**: Definition of fasting *(03 Marks)*
   (iii) **Third slide**: Reasons people fast *(03 Marks)*
   - Before commencing a healthy diet.
   - Fast weight loss
   - It can build into a powerful momentum
   - Medical conditions

   (iv) **Fourth Slide**: Advantages of fasting *(03 Marks)*
   - ✓ rest the digestive system
   - ✓ allow for cleansing and detoxification of the body
   - ✓ create a break in eating patterns
   - ✓ promote greater mental clarity
   - ✓ cleanse and heal "stuck" emotional patterns

   (v) **Fifth Slide**: Disadvantages of fasting *(03 Marks)*
   - ✓ Loss of Water Weight and Muscle
   - ✓ Possible Malnourishment
   - ✓ Lower Metabolism and Energy

(b) Format the background to picture or textile fill to "Parchment" scale X 80% and scale Y 80% to all your slides. *(02 Marks)*

(c) Insert two relevant clip arts on your slides on the upper right-hand corner and another one in the bottom left hand corner scale width 40% and height 57%.

   (02 Marks)

(d) Insert your name, page numbers and current date as the footer. *(02 Marks)*
(e) Use minimal and uniform animation and transition on all the slides. *(02 Marks)*
(f) Use action buttons for navigation to and fro the slides. *(02 Marks)*
(g) Loop your presentation to run continuously until "esc". *(02 Marks)*
(h) Save as a PowerPoint show with your name- "Fasting". *(02 Marks)*

(i) Print your slides as handout on one page. *(01 mark)*

4.   Today it is an added advantage and fashionable for individuals to have personal websites where they can e-transact, post relevant documents, and interact with the rest of the world. Using any appropriate web publishing software, design a website about yourself, based on the following tasks;

a) A home page with relevant general welcoming information to your visitors.
(03 Marks)

b) Other pages with the following information:

Page II: Family background and friends.   *(03 Marks)*
Page III: Academic qualifications, Curriculum vitae and leadership profile.
(03 Marks)
Page IV: Hobbies and interests.   *(03 Marks)*
Page V: Personal spiritual life with a statement about your personal relationship
        with God.   *(03 Marks)*

Note:
 (i)   Create a moving marquee page title for the home page.   *(02 Marks)*
 (ii) Use appropriate graphics for the different pages.   *(05 Marks)*
 (iii) Appropriate background colour mix.   *(02 Marks)*
 (iv) Include your contact details as the website designer.   *(02 Marks)*
 (v)   Include page navigation hyperlinks.   *(02 Marks)*
 (vi) Save your website with your name and index number.   *(01 Marks)*
 (vii) Print your work.   *(01 Marks)*

END