

KASU JOINT EXAMINATION

451/2 - COMPUTER STUDIES – Paper 2

(PRACTICAL)

JANUARY 2021

TIME: 2½ HRS

JANUARY EXAMINATION

Kenya Certificate of Secondary Education

(K.C.S.E)

Name.....Adm.No.....

Index No.Class.....Signature

INSTRUCTIONS TO CANDIDATES

1. Type your name and admission number at the top right hand corner of each printout
2. Sign and write the date of the examination below the name and index number on each printout
3. Write your name and index number on the compact disks
4. Write the name and version of the software used for each question attempted in the answer sheet
5. Passwords should not be used while saving in the compact disks
6. Answer all the questions
7. All questions carry equal marks
8. All answers must be saved in your compact disks
9. Make a printout of the answers on the answer sheets provided
10. Hand in all the printouts and the compact disks.

1. The table below shows records kept by Agriculture teacher in Makonge Secondary School on issuing of farm tools to young farmers club members.

- (a) Open a database program and create a database named Y-Farmers. (1 mark)
- (b) (i) Create three tables named Class, Students and Items in the database file created in (a) using the following details. (13 marks)

Field name	Data types and properties
Student_Id	Text (Size = 4, Required = Yes)
Student Names	Text (Size = 25)
Gender	Text (size = 2)
Class	Text (size = 2)

Table 1: Students_Table

Field name	Data types and properties
Tool_Id	Text (Size = 4, Required = Yes)
Tool Name	Text (Size = 15)
Number issued	Number

Table 2: Tools_Table

Field name	Data types and properties
Issuing_Id	AutoNumber (Size = 2, Required = Yes)
Student_Id	Text (Size = 4)
Tool_Id	Text (Size = 4)
Date issued	Date and time (Format medium date)
Returned	(Boolean Yes/No)

Table 3: Issuing_Table

- (c) Create the relationship between the three tables. (2 marks)
- (d) Enforce referential integrity between the tables. (1 mark)

(e) Create data entry form for each table. Save the forms as StudentsForm, ToolsForm and IssuingForm.

(3 marks)

Student_Id	Student Names	Gender	Class
900	Silah Rokito	F	4W
230	Sarah Martin	M	4R
450	Tedd Mwilu	F	2S
600	Brian Kibet	M	3N

Table 1: Students_Table

Tool_Id	Tool Name	Number issued
320	Jembe	22
321	Panga	15
322	Slasher	12
323	Rake	8

Table 2: Tools_Table

Issuing_Id	Student_Id	Tool_Id	Date issued	Returned
1	900	320	07/03/2019	Yes
2	600	321	09/04/2019	No
3	230	322	27/04/2019	No
4	900	320	17/04/2019	Yes
5	230	322	07/05/2019	Yes
6	450	321	25/05/2019	No
7	600	323	30/06/2019	Yes
8	230	322	13/07/2019	No
9	450	321	18/07/2019	No
10	600	323	07/04/2019	Yes

Table 3: Issuing_Table

Tool_Id	Tool Cost
320	600
321	450
322	520
323	320

(h) (i) Create a query named T_Query to display the student name, gender, class, tools name and number of tools issued per student and cost. Compute cost of all the tools issued to students. (4 marks)

(ii) Create a query named NR_Query to display the student name, class, tools name, and number of tools issued, date issued and not returned. (4 marks)

(i) (I) Create a report named Y-Report to display students as it appears in figure below. (3 marks)

MAKONGE Y-FARMERS CLUB

Student name Class

Tool name

Returned

Total Cost

(II) Group the records per tool name and compute cost of all the tools issued.(2 marks)

(j) Generate a bar graph named Tool_Chart to display tool name and the number issued.

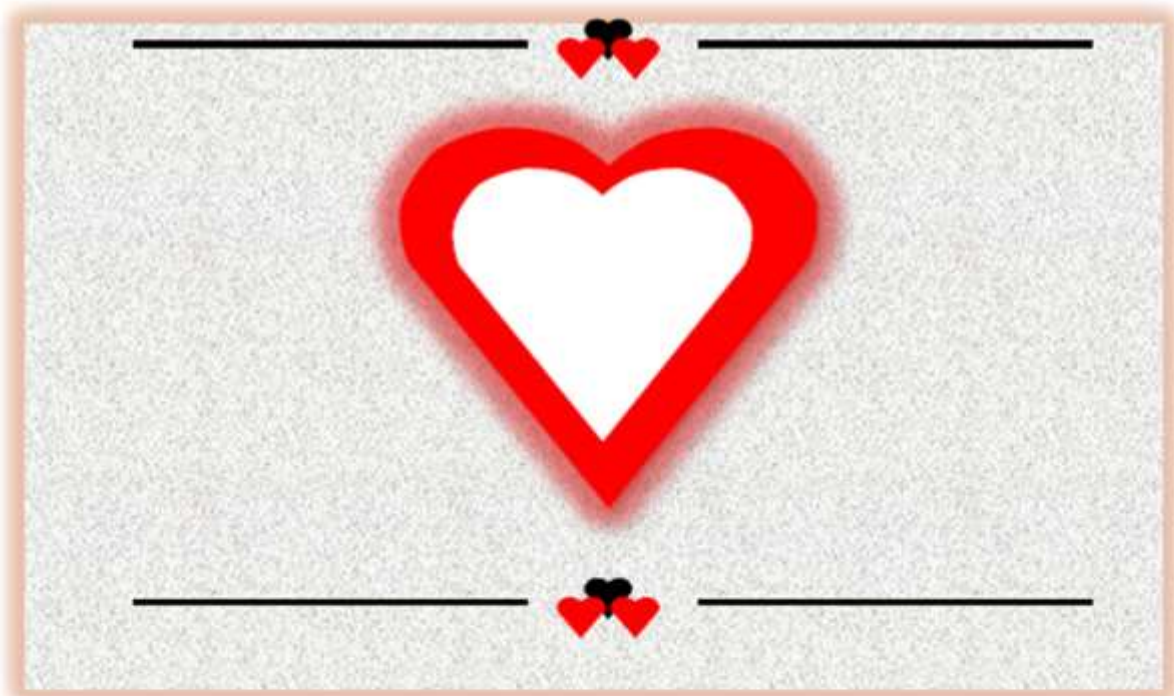
(k)Printout each of the following: (3 marks)

(i) The three tables

- (ii) The two queries
- (iii) Report for the first three students.

2. The figure below shows the design of a wedding card. It comprises of the back and the front page.

- (a) Open a Desktop Publishing program and make the following page settings.(4 marks)
 - (i) Orientation : Landscape
 - (ii) Units : centimeters
 - (iii) Paper size : A4
 - (iv) Margins : 2 cm all round
- (b) Create the wedding card as it appears in Figure 2. Save the design as W_Card.(45 marks)



**IN CELEBRATION OF LOVE
FAMILY AND FRIENDSHIP**

It is with joy and grateful of hearts that the family of
**MR. & MRS. WESLEY KWAMBAI
OF KIAMUNYI-NAKURU COUNTY**
Have pleasure to invite:

*To celebrate the engagement and farewell party of their daughter
Linda Oriaso*

To be held on 19/08/2021 at Mti Moja Estate Nakuru for 10.00am

God Bless you as you purpose to attend.

R.V.S.P
MISS LINDA—
072116532

Reception to follow

R.V.S.P
MR. WESLEY—
075236455