

Name..... Index No...../.....

School.....Candidate's signature.....

Date.....

**451/2**  
**COMPUTER STUDIES**  
**Paper 2**  
**(PRACTICAL)**  
**Time 2 ½ HOURS**

*Kenya Certificate of Secondary Education (K.C.S.E)*

**451/2**  
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**INSTRUCTIONS TO CANDIDATES**

1. Save **ALL** your work using the **filenames** provided
2. Save your final work on the **DVD/CD** recordable provided
3. Label your **DVD/CD** to bear your name and Index / Admission Number
4. Submit both the printouts and the DVD/ CD to the examiner
5. Answer **ALL** questions.

1. a) Type the text below as it is into a word processor software. (18mks)

### System development

For four purposes, the implementation process runs from the point when the systems design has been formally approved to the point when the new system is in place, ready to be used. As mentioned above, a decision could have been made to acquire commercial software for implementing the new system.

The following are the major activities which comprise the implementation process.

- (1) Develop detailed programming specifications
- (2) Develop test specifications and test data
- (3) Write computer programs
- (4) Test computer programs
- (5) User testing
- (6) File conversion
- (7) change over to the new system

Again, there is usually significant overlap among the above activities, For instance, file conversion may proceed while programs are being written.

### DECISION TABLE

A decision table allows an analyst to set out a clear way in what could be a confusing situation.

		1	2	3	4
Conditions	Purchaser is a member	T	T	F	F
	Purchaser exceeds Ksh. 1000	T	F	T	F
Actions	15% discount	√			
	10% discount		√		
	7% discount			√	
	No discount				√

- b)
- (i) Centre and underline the title. (2mks)
  - (ii) Change font size of the headline to 25 pts. (1mks)
  - (iii) Change the case of the headline to Title case. (1mks)
- c) Insert this text as the page footer in Italic, "System development life cycle" . Place it at the left of the page. (4mks)
- d) Spell check your document. (4mks)

- e) Save your document as SDLC FILE1. (2mks)
- f) Excluding the title, set your document to be in two columns to the beginning of the subtitle, "decision table" . (5 mks)
- g) Double space the first paragraph of your document. (3mks)
- h)
  - i) Expand the title by 10pts in character spacing. (4mks)
  - ii) Use dotted line to underline your headline. (3mks)
  - iii) Save your document as SDLC F2. (2141(S)
  - iv) Print SDLC F1 and SDLC F2 (2mks)

Q2.

The data in the tables below was obtained from various insurance companies.

Table 1: Insurance policy

Policy category	Policy type
PC01	LIFE
PC02	VEHICLE
PC03	HOUSE

Table2: Customer

NAME	GENDER	MONTHLY CONTRIBUTION	REGNO	INSUARER ID	POLICY CATEGORY	TEL NO
JIM	M	7000	8790	I01	PC02	0754233445
ALICE	F	5000	9094	I02	PC03	0724345765
JOHN	M	7500	6790	I01	PC01	0728567654
JANE	F	6700	8950	I01	PC02	0734543321
BEN	M	5000	7980	I03	PC01	0721564786
PAUL	M	6500	7956	I04	PC03	0753213456

Table3: insuring company

Company id	Company name
I01	WORLD WIDE
I02	PROMISE
I03	GATEWAY
I04	EASY

- a) i) Create a database named INSUARANCE. (2mks)
- ii) Create the three tables above in your database. (12mks)
- iii) Create relationships between the tables. (3mks)

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- (iv) Create and use forms to enter data into the tables. (12mks)
- b)
- (i) Generate a report to display the Name, Gender, policy type, and company name. (8mks)
- (ii) Create a query to display total monthly contribution made by WORLDWIDE Company. (4mks)
- c)
- (i) Using a query, display the customer's name, contribution, policy category, and company name. (5mks)
- d) Print:
- i) Your tables (3mks)
- ii) Report (1mk)
- iii) Two queries (2mks)

**END**