

Form 3 End Term Computer Studies Assessment

(Practical) 451/2 Term 2 2020.

DATE:
MARKS: 50 Marks
2 Hours

Name:	
Stream #:	House:
Total Score: /50= %	

Directions:

- 1. Answer ALL the questions in the spaces provided in this question paper.
- 2. Read all questions carefully.
- 3. All working must be shown clearly where necessary for full credit.
- 4. Review your answers before turning in your exam.
- 5. Silent, non-programmable electronic calculators and math tables can be used in this assessment.

Mark Tally: Teacher's use only

a	b	с	d	е	f	g	h	i	j	k	1	

QUESTION ONE

The tables below, **STUDENT**, **SUPERVISOR** and **SUPERVISIONS** are extracts of records kept in Nova Pioneer University for project supervisions.

Student	Name	Gender	Project Fee Paid
Number			
C001	Ken	M	32000
C002	Joy	F	27800
C003	Lero	М	18900
C004	Moth	F	42700
C005	Ben	M	45000

Table 1 STUDENTS TABLE

Supervisor Number	Name	Department
L220	Alex	Mechanical
L230	Sakaja	ICT
L240	Roy	Electronics
L250	Mati	Education
L260	Joy	Human Resource

Table 2 SUPERVISOR S' TABLE

Supervision	Supervision	Student	Supervisor	Project
Number	Date	Number	Number	Title
100	12/03/2015	C001	L220	Java
200	22/03/2015	C003	L230	Website
300	17/03/2015	C004	L240	Robotics
400	02/03/2015	C001	L220	Java
500	18/03/2015	C002	L240	Robotics
600	12/03/2015	C004	L230	Java
700	11/03/2015	C002	L250	Database
800	12/03/2015	C003	L220	Java
900	12/04/2015	C005	L250	Database
1100	12/04/2015	C002	L250	Database

Table 3 SUPERVISIONS TABLE

- a) Using a database application software, create a database file named PROJECT (1Mark)
- **b)** Create three tables named STUDENT, SUPERVISOR and SUPERVISIONS as shown above.

(9 Marks)

- c) Set the primary key for each table. (3 Marks)
- d) Create relationships among the tables. (2 Marks)

e)	Enter the data in the table STUDENT, SUPERVISOR and SUPERVISIONS as shown above	
-,		(9 Marks)
f)	Create a form for each table above.	(3 Marks)
g)	Create a query named BALANCE to display student name, Gender, project fee balance student, given that the total project fee is Ksh.50000.	per (4 Marks)
h)	Create a query named BALANCE2 to display students' Names, project title whose fee babove Ksh.20000.	oalance is (4 Marks)
i)	Create a bar chart based on question (h) to display students Name and balance. Save a BALANCE CHART.	as (3 Marks)
j)	Create a report named SUPERVISION to display Students Names, Project Title, names of supervisor, and supervision Dates. The records in the report should be grouped by stu Name and the number of supervisions by each student should be displayed.	
k)	Title the report as supervision per lecturer.	(2 Marks)
I)	Compress the following and share with your Computer Teacher:	

•	Tables: STUDENT, SUPERVISOR and SUPERVISIONS	(1 Mark)
•	Queries: BALANCE and BALANCE2	(1 Mark)
•	REPORT: SUPERVISIONS	(1 Mark)