

Name..... Index No.....  
School..... Candidate's sign.....  
Date.....

**451/2**  
**COMPUTER**  
**Paper 2**  
**July/August 2010**  
**2 Hours**

**SIAYA DISTRICT JOINT EVALUATION TEST – 2010**  
*Kenya Certificate of Secondary Education (K.C.S.E)*

**451/2**  
**COMPUTER**  
**Paper 2**  
**July/August 2010**  
**2 Hours**

*This paper consists of 4 printed pages.  
Candidates should check the question paper to ensure that all*

pages are printed as indicated and no questions are missing.

1. With statistics collected for survey in Zambia, Zimbabwe and Tanzania the number of students in IT since 1980s are as follows. In Zambia – 1600, Zimbabwe - 2200 in Tanzania – 3000. The qualified programmers are 600 in Zambia, 220 in Zimbabwe and 200 in Tanzania the rest are data analysts.
  - a) Represent this information on a spread sheet and save it as IT (10 mks)
  - b) Compute the number of data analysts and programmers in the three countries in 1990's. If the programmers and analysts increased by 20%, 8.5% respectively, round off the values to a whole number (9mks)
  - c) Compute the number of programmers and analysts in the given countries in 2000's, if the values had decreased by 2.5% analysts and increased by 6.6% from the previous period, rounding off the values to a whole number (9 mks)
  - d) Add the programmers and data analysts ration and calculate the ratio of each country in 1980's, 1990's and finally 2000's
  - e) Plot the graphs of each country programmers and analysts and print it as IT 2.
2. The following tables in MS Word give information on trainees of a company.

### Employees

Number	Name	Work	Pay (Kshs)	Department
6369	Onyango	CL	9,000	30
6499	Otieno	SP	17,000	40
6521	Rono	SP	13,000	40
6566	Samo	MG	40,750	30
6698	Kitau	MG	39,500	50
6782	Obongo	MG	35,500	20
6821	Ali	AN	31,000	30
6788	Papy	AN	26,500	50

**Dept table**

Dept	Name	Area located
20	Accounting	Mombasa
30	Research	Nakuru
40	Sales	Nairobi
50	Operation	Kisumu

**Jobs**

CODE	CL	SP	MG	AN	DR
TITLE	Clerk	Salesman	Manager	Analyst	Driver

- a) Create a database that can be used to store the data given. Save it as DODO. Save the employees as TAKA1. Save Department as TOTI2 and Jobs as TALA3 (12 mks)
- b) Create appropriate primary key and relationships (10 mks)
- c) Enter the data into the database (6 mks)
- d) Create a report that displays the employee name, department and pay (8 mks)
- e) The dates on which each employee reported is included in the database. Onyango 1/1/09, Otieno 2/1/09, Samo 6/1/09. Kitau 7/1/09, Obongo 8/1/09, Ali 12/1/09 and Papy 13/1/09. Include these details into the database. Save your work as KATT2. (10 mks)
- f) Sort the records of KATT2 in ascending order of pay and save as Employee 1 (2 mks)
- g) Print TAKA1, the report and Employee 1. (2 mks)

