

2. South Rift Region Interim Independent Electoral Commission keeps its details of its newly recruited employees in a computer database. The information below contains details obtained from two tables of the database. Study the tables and answer the questions that follow.

Employees table

ID	Name	Department	Job Title	Basic Salary
RS001	Nicholas Kirui	Research	Clerk	17,000
BH02 I	Julius Awiti	Civic Edu.	Lawyer	32,000
BH013	Salim Manga	Civic Edu	Lawyer	32,000
RS066	Maryline Simam	Research	Manager	29,000

OR098	Koffi Annan	Operations	Manager	28,000
AC023	Goodluck Jonathan	Accounting	Manager	24,000
RS068	Savimbi James	Research	Analyst	20,000
OR121	Mayom manyang	Operations	Analyst	20,000

Department table

Department	DepartCode	Location
10	Accounting	Sotik
20	Research	Litein
30	Sales & Marketing	Bomet
40	Operations	Kericho

Required:

- (a) Create a database that can be used to store the above data and save it as **IEC** in the disk provided. (10 marks)
- (b) Using appropriate primary and Foreign keys, Create a relationship between the two tables. Enforce referential integrity between the tables. (4 marks)
- (c) Validate the primary key entry to exactly four and two characters for the ID and DepartCode fields respectively. (4 marks)
- (d) Create a form for each table and use it to enter the records Shown in the tables above. Save the forms as **EmployForm** and **DepartForm** respectively. (8 marks)
- (e) It is required that the dates on which the employees were hired be included in the database. Kirui was hired on 10/11/2009. Awiti on 15/04/2009. Manga on 16/04/2009 Savimbi on 09/04/2010. The rest were hired on 13/05/2010. Insert a new field, name it Date of Hire in the Employees table and enter the field. (5 marks)
- (f) (i) Create a query that displays employees who were employed after year 2009. Save the query as **currentEmployees**. (4 marks)
- (ii) Sort **CurrentEmployees** query in ascending order using the employees name. (3 marks)
- (g) Create a report that displays the Employee Name, Job Title, Department Name and Salary. grouped according to Location. Save the report as EmployeesReport. (8 marks)
- (h) Print: -
- (i) Employees and Department tables designs (4 marks)
- (ii) Employee and Department forms
- (iii) CurrentEmployees Query
- (iv) EmployeesReport