**NAME..................................................................................ADM NO..................... CLASS...................**

**ELERAI MCK GIRLS’ SECONDARY SCHOOL**

**P. O. BOX 435**

**SULTAN HAMUD**

***Motto “Discipline and Hard Work for Excellence”***

**FORM II**

**COMPUTER STUDIES**

**CAT I**

**TERM III 2013**

**INSTRUCTION**

* *Answer* ***ALL*** *the questions in the spaces provided below each question*
1. Define the following terms as used in database
2. Database (1mks)
3. Field (1mk)
4. Record (1mk)
5. File (1mk)
6. Name any two examples of database packages you know (2mks)
7. Name any two objects provided by Microsoft Access (2mks)
8. Name any two data types for a field provided by Ms Access (2mks)
9. The database table DENTAL PATIENTS has the following fields

|  |  |
| --- | --- |
| **Field Name** | **Data Type** |
| PatientNo |  |
| FirstName |  |
| DOB |  |
| Address |  |

1. Fill in the grid with suitable data types for the fields listed (2mks)
2. List any two additional fields that you could add to the database table above (2mks)
3. What field in this database table would you use as the primary key? (1mk)
4. Distinguish between a label and a formula with respect to spreadsheet (2mks)
5. Give any two examples of spreadsheet packages available in the market today (2mks)
6. What is cell referencing? (1mk)
7. Highlight any two application areas of spreadsheet (2mks)
8. The following is a spreadsheet relating to a farmer

|  |  |  |  |
| --- | --- | --- | --- |
|  | A | B | C |
| 1 | **CROP** | **AMOUNT** | **VIABILITY** |
| 2 | MAIZE | 150 |  |
| 3 | BEANS | 300 |  |
| 4 | CASHEW NUTS | 850 |  |
| 5 | CABBAGE | 1036 |  |

Write down the appropriate results returned in cell C2, C3, C4 and C5 if the function below was used

=IF(B2<200, “Not Viable”, IF(B2>300, “Moderate”, IF(B2>1000, “Viable”))) (4mks)

1. A worksheet contain the data as shown below

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | A | B | C | D | E | F | G |
| 1 | 5 | 10 | 9 |  |  |  |  |
| 2 | 7 | 15 | 25 |  |  |  |  |
| 3 | 10 | 17 | 4 |  |  |  |  |
| 4 | 19 | 24 | 47 |  |  |  |  |
| 5 | 37 | 45 | 52 |  |  |  |  |
| 6 |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |

1. The formula =COUNTIF(C1:C5, “>10”) was entered at cell G1. Write down the value that was displayed (2mks)
2. Write down the formula that would be entered at cell B7 to sum the values in column A (2mks)
3. The formula =AVERAGE(A3:C3) was entered in cell E8. Write down the value that was displayed in that cell (2mks)
4. State any two disadvantages of manual database compared to the computerized one (2mks)
5. What is normalization in reference to tables (1mk)
6. Define a primary key (1mk)
7. Why would one prefer to use a form for data input rather than entering directly into a table? (2mks)
8. State the function of each of the following field properties (2mks)
9. Field size
10. Validation text