

**Section A: Circle the correct option for each of the multi choice questions. 2marks**

1. Which of the following is a database management system?  
a) C++ b) Adobe c) Java d) Mysql
2. Which of the following is not an element in the database management system environment?  
a) People b) software c) data d) Funds e) Hardware
3. Which SQL Statement changes the column name of an existing database table?  
a) Insert b) Select c) Delete d) Alter
4. Which of the following is true about Database names, table names and table column names?  
a) Names should not have spaces b) Names should be longer than 128 characters  
c) Names should always begin with numbers.
5. While inserting data into a table all numeric values should be enclosed in quotation marks  
a) True b) False

**Section B Practical : Answer all Questions from this section 2 marks each**

The Management of Mirembe Hardware Limited has released funds for the development of a sales records management system to improve records management in the Organization. As a database designer you are requested to use MySQL to assist in the development of the database component of the sales records management system by carefully coming up, executing and recording only the SQL statements to accomplish the following tasks.

1. Create a database with a suitable name.
2. Create the following tables within the database with appropriate column names and data types.  
a) Products {productid, suppliernr, Productname, costprice, sellingprice}  
b) Suppliers {suppliernr, suppliername, city}  
c) salesdata {receiptno, productid, amount}
3. Change the name of the table salesdata to sales.
4. Remove the column city from the suppliers table.
5. Add a new column date to the sales table.
6. Add a primary key to the suppliers table

7. Change the name of the column receiptno to rcno in the sales table.
8. Add a new column quantity to the sales table.
9. Insert into the above tables the following data.

#### Products

productid	supplierno	productname	costprice	sellingprice
P01	S01	Cement	25000	30000
P02	S02	Iron sheets	35000	40000
P03	S03	Paint	45000	50000
P04	S04	Nails	55000	60000

#### Suppliers

supplierno	suppliername
S01	Tororo
S02	Roofings
S03	Sadolin
S04	Steel and tube

#### Sales

rcno	productid	amount	Date	Quantity
111	P01	60000	2022-07-05	2
112	P02	120000	2022-05-25	3
113	P03	50000	2022-05-25	1

10. Display names of all the products in the hardware shop.
11. Display the names of products and their selling prices.
12. Display Names of all products with cost price bellow 40000.
13. Display the number of suppliers for Mirembe Hardware.
14. Display the total amount of money collected by Mirembe Hardware in sales.
15. Display the smallest sales amount.
16. Display names of all products together with the names of their suppliers.
17. Change the cost price of nails to 30000.
18. Display names of all products together with the name of the supplier and the sales amount associated with each product.
19. Display the total amount of money collected by Mirembe Hardware in the month of May 2022.
20. Display the names of the products which were sold in month of July 2022.