

**MAKERERE UNIVERSITY BUSINESS SCHOOL**  
**BACHELOR OF BUSINESS ADMINISTRATION OF MAKERERE UNIVERSITY**  
**ACADEMIC YEAR 2025/2026**

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**COURSE NAME : ADVANCED ICT**

**Computational Access Case Study V**

BCG drug shop deals in the sale of drugs in Arua City and surrounding areas. A drug management system is used to store information on different drugs for sale. Below is the part of items and their prices kept in the system.

**DRUG**

Drugs	DrugID	SupplierID	Quantity	Date of Manufacture
Panadol	D1	S1	15	11/11/2020
ARV	D2	S3	30	19/03/2021
Chloroquine	D3	S2	400	09/08/2019
Quinine	D4	S4	500	10/10/2021
Doxycycline	D5	S1	60	23/10/2018
Aspirin	D6	S1	19	30/03/2021
Ibuprofen	D7	S2	80	15/05/2020
Metaxalone	D8	S2	100	13/06/2021
Cyproheptadine	D9	S3	50	01/12/2020
Hedex	D10	S4	120	11/07/2018

**SUPPLIER**

Supplier	SupplierID	Price
Abacas	S1	\$3000
Quality chemicals	S2	\$4000
ABC	S3	\$20000
Coppers	S4	\$5000

**Required;**

- a) Create a database called “**Drug Management System**” and save it in an appropriate folder in your name and registration number on the desktop
- b) In the design view create a table called Drug and Supplier respectively, clearly stating the data type and the primary keys for the tables
- c) Create a suitable relationship between the tables and enforce referential integrity

- d) Create two input forms for the above tables called “**Supplier Form** ” and “**Drug Form** “ respectively and use the forms to input the above sample data.
- e) Create a query for all drugs supplied not by ABC and name it others.
- f) Create a query for all drugs whose price is between 3000 and 5000 and name it Cheap Drugs.
- g) Design a query to show all students manufactured after 10/12/2020. Name it Recent Drugs.
- h) Using the Quantity from the Drug Table and Cost from Supplier Table, calculate the Total Amount on each Drug.
- i) Assuming each drug costs 6000. What is the total amount spent on each drug.
- j) If suppliers decided to increase the prices of the drugs by 30%, design a query to calculate the Increment in price of drug from each supplier
- k) Design a query to calculate the New Price of Drugs from each supplier after increment.
- l) Create portrait reports for the two tables of your database in Tabular layout.

**End of Case Study**