



FOCUS A365
A M A N Y A M F R A N C I S E . C O M P R O D U C T I O N

451/2 - COMPUTER STUDIES - Paper 2

(PRACTICAL)

JUNE. 2022 - 2 ¹/₂ hours

Instructions to candidates

- (a) Write your name, class and admission number at the top right hand corner of each of the papers provided for printing.
 - (b) Write your name, class and admission number on the CD/Removable storage medium provided.
 - (c) Write the name and version of the software used for each question attempted in the printouts used.
 - (d) Answer all the questions.
 - (e) All questions carry equal marks.
 - (f) Passwords should not be used while saving files.
 - (g) All files must be transferred to the CD/Removable storage medium.
 - (h) Make printouts of your answers on the papers provided for printing. (i) Arrange your printouts and tie/staple them together.
 - (j) Hand in all the printouts and the CD/Removable storage medium used.
 - (k) This paper consists of 5 printed pages.
 - (l) Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.
 - (m) Candidates should answer the questions in English.
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1. (a) (i) Create a folder. The name of the folder should be the last three digits of your index number. (1 Mark)

(ii) The table below shows extract books stored in **Kassu** School Library System

Student ID	Book ID	Student Name	Gender	Class	Book Name	Purchase Price	Publisher Name	Publisher ID	Book Shelf Number
104	11-01	Leshan	F	3P	Enemy	480	Topex	Pu-1	12
106	11-02	Losim	M	3R	Arrow	600	Apex	Pu-2	13
120	12-01	Taabu	F	3R	Spear	560	Sky	Pu-3	16
189	12-02	Amina	F	3P	Enemy	480	Topex	Pu-1	12
199	13-01	Mapenzi	F	3S	Arrow	600	Apex	Pu-2	13
200	11-01	Krop	M	3P	Spear	560	Sky	Pu-3	16
210	11-02	Kasuku	M	3W	Enemy	480	Topex	Pu-1	12
222	12-01	Karema	M	3S	Arrow	600	Apex	Pu-2	13
234	13-01	Bahati	F	3P	Spear	560	Sky	Pu-3	16
244	13-02	Amina	F	3W	Spear	560	Sky	Pu-3	16
256	11-02	Kemboi	M	3W	Cloud	720	Romeo	Pu-4	20
270	13-02	Atieno	F	3W	Beta	800	Romeo	Pu-4	22

Table 1

- (iii) Using a database application package, create a database file named **Kassu Lib _2018**. (1 Mark)
- (iv) Create three tables, one to store student details, book details and publisher detail. Name the tables as '**Student_Table** and **Book_Table** and **Publisher_Table**. (3 Marks)
- (v) Assign an appropriate primary key to each table. (2 Marks)
- (vi) Create a relationship between the three tables. (2 Marks)
- (b)(i) Create data entry form for each table. (2 Marks)
- (ii) Use the forms to enter the respective the data in table 1 above. (10 Marks)
- (c) Modify the books table so as to capture the date the book was borrowed and returned for each student as shown below. (3 Marks)

Student ID	Date borrowed	Date returned
104	03/03/2018	12/03/2018
106	13/03/2018	18/03/2018
120	23/03/2018	21/03/2018
189	18/03/2018	29/03/2018
199	15/03/2018	27/03/2018
200	10/03/2018	29/03/2018
210	11/03/2018	19/03/2018
222	12/03/2018	21/03/2018
234	09/03/2018	26/03/2018
244	03/03/2018	13/03/2018
256	09/03/2018	13/03/2018
270	17/03/2018	23/03/2018

(a) (i) Create a query named **B_Query** to display student, books, purchase price, publisher, gender, class and record whose student whose name start with letter "K". (4 Marks)

(ii) Create a query named **Overdue_Query** to display BookID, student names, gender, class books borrowed , publisher, and their respective prices. List of overdue books showing their respective overdue days. A book is termed overdue if a student stays with it for more than 14 days without returning. (8 Marks)

- Compute total cost of overdue books.
- Sort the records in descending order overdue days.

(b) Create a report named **S_Report** to display BookID, student name, book category, purchase price, publisher name, class, and books shelf number. (7 Marks)

- The records in the report should be grouped by class.
- Show the number of students per class.
- Title the report "**Kassu School Library Management System**".

(g) Generate a bar chart to show all students and their respective number of days the book was borrowed. (2 Marks)

Print the following:

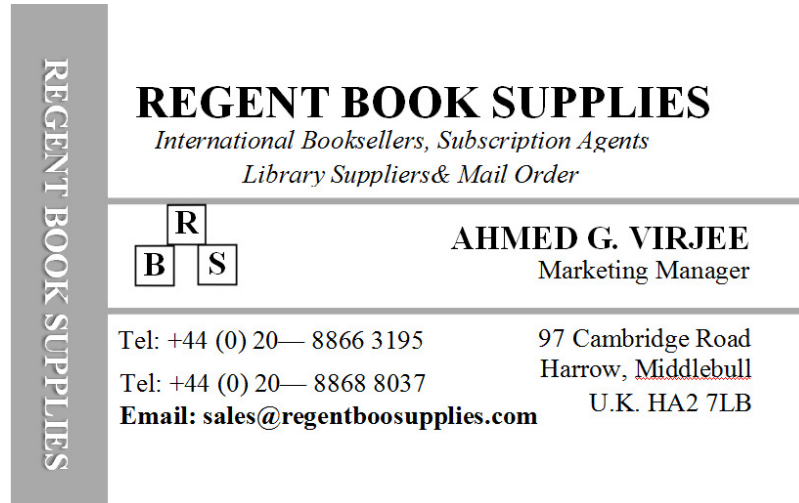
(3 Marks)

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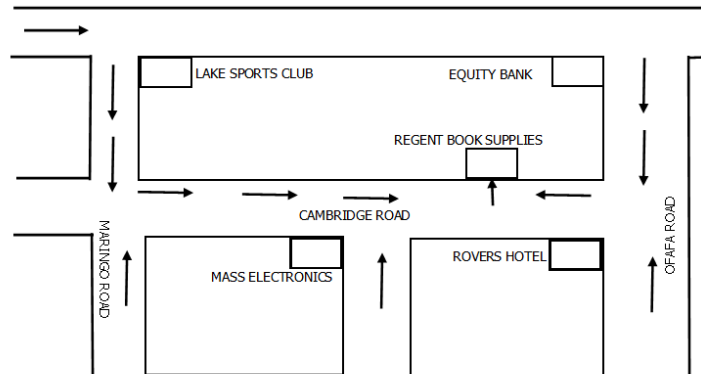
- Table : Student, Book and Publisher.
- Queries : B_Query, Overdue
- Report: S_Report

2. The manager of Regent Book Supplies provided his business card shown below for reproduction.

Front



Back



- a. Using a desktop publisher, create for him the job cards as they appear with the following additional specifications; (20 Marks)
- Font type: - Front: Times new Romans, Back: Tahoma
Font size: - 14, 10 & 8 (front) and 4 (Back) respectively
Margins: - 5cm /0.197 Inches
- Group the elements of each side of the card (4 Marks)
 - Rename the publication pages FRONT and BACK respectively (4 Marks)
 - Save your publication Draft job card (3 Marks)
- b. Open a new publication and set it to have A4 paper size (3 Marks)

- i. Copy the front and the back sides of the card from your Draft job card publication to your new publication and make 6 copies of each on their respective pages (5 Marks)
- ii. Arrange and align the card parts (2 columns and 3 rows) such that the front part is in line with the back part for uniform trimming without wastage (5 Marks)
- iii. save it as final job card (2 Marks)
- c. print a back to back copy of the final job card (4 Marks)