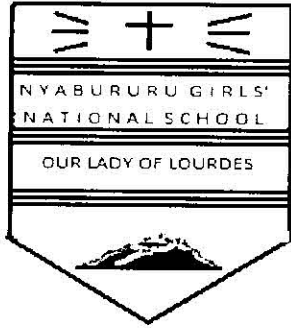


NAME..... CLS.....C.NO.....ADM.....

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DATE DONE.....

INVIGILATOR.....

DATE RETURNED.....

DATE REVISED.....

**COMPUTER STUDIES**  
**TERM 1 2016**  
**JANUARY SERIES**  
**TIME: 2 ½ HOURS**

**INSTRUCTIONS.**

- Indicate your name and admission number on the spaces provided.
- Answer all the questions.
- Save your work in a storage medium.

**SECTION A**

1. (a) You are required to create a database for a public library to store book details.

Create a blank database and save it with your Adm No.

(2 Mks)

(b) Create a table called Books with the following details.

(6 Mks)

Field Name	Type	Field size	Constraints
Id	Number		
Title	Text field	50 characters	
Description	Text field	30 characters	
Category	Number		
No. of copies	Number		

(c) Create a form to enter details about books with a title "School Book details" and save it as "books form".

(6 Mks)

(d) Add the following records to the book table using the "books form"

(6 Mks)

Id.	Title	Description	Category	No. of copies
1	Word	Hard cover	2	2
2	Computer	Hard cover	4	2
3	Access	Paper back	2	2
4	Art	Hard cover	1	1
5	Science	Paper back	3	1

2. Create another table called Book copier with the following fields.

(5 Mks)

Field name	Type
Id.	Number
Book Id.	Number
ISBN	Number
Version	Number

(f) Identify the primary keys of this table (if any).

(2 Mks)

(g) Insert the following records to the “Book Copier” table. (5 Mks)

Id	Book Id	ISBN	version
1	1	1234	1
2	1	1235	2
3	2	1236	1
4	2	1237	3
5	3	1238	2
6	3	1239	3
7	4	1240	4
8	5	1241	7

(h) Create a relationship between Books and Book copier tables. (5 Mks)

(i) Write a Query called ‘query Book Category’ to display all books which belongs to Hard cover which are two copies each. (5 Mks)

(j) Create a report that contains the following fields:  
Id, title, Description, category, Book Id, ISBN and version save it as Book Report. (5 Mks)

- (k) Print the following;
- (i) Query Book category
  - (ii) Book report
  - (iii) Books table

## **QUESTION 2**

The spread sheet below shows an extract from Bright Star College. Answer the questions that follow;

Index No.	Name	Physics	Chemistry	Biology	English	Total	Average	Rank	Comment
1001	Ken	60	75	56	56				
1002	Abel	50	80	88	78				
1003	James	35	63	74	98				
1004	Matua	40	57	32	57				
1005	Joseph	32	42	50	40				
1006	Moses	28	34	42	34				
1007	Silvia	80	60	70	60				
1008	Mendis	74	30	34	34				

(a) Create a blank workbook using spreadsheet, enter the above information and save it as exams. (8 Mks)

- (b) Insert the title “Bright star college” and subtitle “Mark sheet for end of term exams” by centering it with the table, making the text bold, and changing the font to 16 for the main title and 14 for the subtitle.
- (c) Move exams to sheet 2 and rename it exams 2. (2 Mks)
- (d) Use relevant formula to calculate the total marks of Ken and copy the formula to the relevant cells. (4 Mks)
- (e) Use relevant formula to calculate the average marks of Ken and copy the formula to the relevant cells. (4 Mks)
- (f) Format the average column with two decimal places. (4 Mks)
- (g) Use relevant formula to calculate the rank of Ken using average copy the formula to the relevant cells.
- (h) Use if function to write comment using the following conditions. (9 Mks)
- (i) Use conditional formatting to colour the cells which the average mark is more than 60, in to green.
- (j) Select the columns, “index no”, “physics”, “chemistry”, “Biology”, and “English” and draw a column chart. Insert appropriate labels on the chart. (5 Mks)
- (k) Print the following; (3 Mks)
  - (i) Exams
  - (ii) Exam 2
  - (iii) Column chart