2) Create a database. Save it as Students Database on Desktop inside your folder indicating your name and index number. (2mks)

(a) Create a table in design view using the following information (4mks)

Field Name	Data Type	Field Size/Format
Student Id	Auto number	Long integer
Name	Text	20
Surname	Text	20
Date of Birth	Date/time	short Date
Age	Number	long integer
Exam Fee	Currency	Currency

b) Choose the most appropriate primary key and save the table as Students' Details. (2mks)

(c) Create a validation rule for the Age field which does not allow students under the age of 16 to apply for exams. Create a validation text to complement the validation rule stating "Student is too young". (2mks)

(d) Add the following field below surname (2mks)

Town	Text	15

e. (i) Create another table in design view (3mks)

Field Name	Data Type	Field size/Format
Student Id	Number	Long Integer
Result	Number	Long Integer
Subject	Text	20

(ii) Create a validation rule on the Results field so that marks greater than 100 would not be allowed to be keyed in. Create a validation text to complement the validation rule stating "Mark is greater than 100". (3mks)

f. Re-order the subject field with the result field so that the subject field is now after the Student Id field. (2mks)

g. (i) create a student details form to Input the following data in the Students' Details table. (5mks)

student id	Name	Surname	Town	Date of Birth	Age	Exam Fee
1	John	Black	Mosta	16/07/1981	29	25
2	Mary	Smith	Qrendi	16/05/1982	28	30
3	Anne	Hamlet	Mosta	18/07/1983	27	40

(ii) Create a student's marks form used to Input the following data in the Students' Marks table (5 mks)

Student id	Subject	Result
1	Computer	60
1	math's	75
1	English	30
2	Computer	50
2	Maths	85
2	English	35
3	Computer	95
3	maths	20
3	English	40

Turn Over

(h). Create a one-to-many relationship between the Students' Details table and the Students' Marks. Enforce referential integrity to the relationship. (3mks)

(i). Open the Students' Details table, change the Surname Hamlet to Hammell (2mks)

(j) Sort the data in the Students' Details table in alphabetical order according to Surname. (2mks)

(k) Create a query based on the Students Details table showing all the information about those students who live at Mosta. Save it as Locality. (2mks)

(l) Create a two-table query based on Students' Details and Students' Marks using the Student Id, Name and Surname fields from the Students Details table and the Subject and Result fields from the Students Marks table. The query must display those students who got a result of 75 marks or more. Save the query as High Achievers (4mks)

(m) Create a report based on the High Achievers query. (4mks)

(n) Create a report called Results. Use the following fields: Student Id, Name, Surname, Subject and Result fields. Calculate the sum and average of each record. In the header of the report, include the title Results. (5mks)

(o) Print the following high achievers and results (2mks)