



## CSIS2200 - 007 – Systems Analysis and Design

### Midterm 2 (Dr. A. Sen)

**Time: 70 minutes**

**Total: /30**

#### MT 2: Database (30 Marks)

1. **(30 Marks):** Consider the following *unstructured* table, called StudentData:

Student Id	Student Name	Courses Enrolled
2022	Stan Lee	BUSI 2412 BUSI 1212
2023	Chris Ma	BUSI 2313 BUSI 2314
2024	Ali Baba	MRKT 1100 MRKT1103

Note that each student has **unique** Student ID. Each student can take **more than** one course.

- a. Is the Table above in First Normal Form? Justify your answer clearly referring to Normalization rules.
  - i. Normalize the table to First Normal Form. (5 marks)
- b. Create a database named MT2021.accdb using Microsoft Access do the following:
  - i. Create the tables (10 marks)
  - ii. Populate the table using the appropriate data (5 marks)
  - iii. Create relationship diagram (10 marks)
- b. **Save the database in Blackboard MT2 folder.**