AMERICAN UNIVERSITY OF SCIENCE & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE

CSI 316/ICT 347 – Data Base Management System
Section A

Spring 2023-2024

INSTRUCTOR: Antoine Aouad, MS, MBA

Problem Set No. 1: *Due: Monday, February 26, 2024 before 12:00 PM (Noon)*. **You need to send the homework to my email: aaouad@aust.edu.lb attached as a Word document.**

Problem No. 1:

For each of the following pairs of related entities, indicate whether (under typical circumstances) there is a zero-to-many, one-to-many or many-to-many relationship. Then draw a diagram for each of the relationships.

   a. STUDENT and COURSE (students register for courses)
   b. BOOK and BOOK COPY (books have copies)
   c. COURSE and SECTION (courses have sections)
   d. SECTION and ROOM (sections are scheduled in rooms)
   e. INSTRUCTOR and COURSE (instructors teach courses)