



Damietta University  
Faculty of Science  
Mathematics  
Department

## Practical Exam May 2020

2<sup>nd</sup> Level

Physics and Computer Sci. program

Course Title: Data Structures

Course Code: (س 205)



### Answer the following questions using C#:

#### Question 1

- 1- Write a code to create a linked list of integers (elements).
- 2- Delete a given integer from the linked list.
- 3- Display the contents of the linked list after deletion.

#### Question 2:

- 1- Create 100 random integer numbers in an array named **ARR**.
- 2- Given a number **x** that may occur several times in the array, find the number of occurrences of **x** in **ARR**. Use one of known search algorithms.

All the best wishes,

Dr. Heba El Hadidi