



COMSATS University Islamabad
Sahiwal Campus
(Department of Computer Science)

Course Title:	Data Structures and Algorithms	Course Code:	CSC211	Credit Hours:	4
Course Instructor:	Ms. Tahreem Saeed	Programme:	BSCS		
Semester:	3	Batch:	-	Section:	-
Time Allowed:		Deadline:	18-12-2023	Maximum Marks:	10
Student's Name:		Reg. No.	CUI/		/SWL
Important Instructions / Guidelines: <i>Read the question paper carefully and answer the questions according to their statements. Mobile phones are not allowed. Calculators must not have any data/equations etc. in their memory.</i>					

Assignment 3 Fall 2023

Question 1: Discuss recursion in brief and write down its generic algorithm.

Question 2: Code the following algorithms and simulate (dry-run) these by taking an unsorted array with 05 elements:

- i. Insertion Sort
- ii. Selection Sort
- iii. Merge Sort
- iv. Quick Sort