COMSATS University Islamabad, Wah Campus
Department of Computer Science

Name: Muhammad Ali Ahmad   **Reg No:** FA20-BSE-006
Course: Introduction to Data Science   **Total Marks:** 10
Class: BSE-7A   **Dated:** 10/12/2023
Semester: Fall 2023   **Submission Deadline:** (12-December-2023) In Class.

Assignment (04) (CLO 4)

Format:

- **Make sure your assignment has a proper cover page.**
- **Your assignment should be submitted in HANDWRITTEN hardcopy format.**
- **This is an individual assignment.**
- **Any kind of plagiarism or cheating will result in zero marks without negotiation.**

Assignment Tasks:

1. Use HAC to form **Complete-link** clusters for the following data points.
2. Construct a dendrogram for the clusters formed at each step.
3. The measure of distance should be Euclidean.

Points	X	Y
A	0.24	0.35
B	0.08	0.44
C	0.65	0.88
D	0.23	0.32
E	0.18	0.20
F	0.99	0.25
G	0.58	0.75