



ABES Engineering College, Ghaziabad

Branch: CSE / CSEDS / AIML / ECE / ME

Session: 2025-26

Year: 1st

Semester: I

Subject Code: 25CS101

Subject Name: DSA

Submission Date: 26-Sep-2025

Assignment - 1

Q. No.	CO	KL	Question
1	CO1	K2	Explain the components of Digital Computer with the help of block diagram.
2	CO1	K2	Write short notes on i) Compiler ii) Interpreter iii) Linker iv) Loader
3	CO1	K3	How algorithm is different from flowchart. Write algorithm and draw a flowchart to find largest among three numbers.
4	CO1	K3	State desirable characteristics of an algorithm. Write an algorithm and draw flowchart to calculate sum of digits of a 3 digit number entered by user.
5	CO1	K2	Draw and explain the Pyramid structure of memory hierarchy.

CO-Course Outcomes mapped with respective question

KL- Bloom's Knowledge Level (K₁,K₂,K₃,K₄,K₅,K₆)

K₁ – Remember K₂ – Understand K₃ – Apply K₄ – Analyze K₅ – Evaluation