Subject code: PC234EC Semester: 2nd

Subject name: Computer Organisation & Architecture ACY: 2019-2020

CLASS TEST-1

1. Answer all questions from part-A
2. Answer all questions from part-B

PART-A

1. Explain the significance of computer architecture and how it has evolved across different generations.
2. Describe the process of multiplication using Booth's algorithm in digital arithmetic.
3. Discuss the role of computer registers in the context of instruction codes and their execution.

PART-B

1. How does the evolution of computer generations influence the design of modern computer architecture?
2. Provide a detailed explanation of Booth's algorithm and its role in improving multiplication efficiency in digital arithmetic.
3. Discuss the significance of adhering to IEEE standards in floating-point representation and its impact on arithmetic operations in computer systems.