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 any 2 questions from part-B

PART-A [ 3x 2M=6M]

1. Explain the significance of computer architecture and how it has evolved across different generations. [C01]
2. Describe the process of multiplication using Booth's algorithm in digital arithmetic. [C01]
3. Discuss the role of computer registers in the context of instruction codes and their execution. [C02]

PART-B [ 2x7M=14M]

1. How does the evolution of computer generations influence the design of modern computer architecture? [C01]
2. Provide a detailed explanation of Booth's algorithm and its role in improving multiplication efficiency in digital arithmetic. [C01]
3. Explain Micro programmed Control organization. [C02]