Subject code: PC505EC 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 [3x2M=6M]

1. Provide an overview of the fixed-point representation of numbers in computer systems. [CO1]
2. How does the IEEE standard define floating-point representation, and what are its arithmetic operations? [CO1]
3. Explain the concept of stored program organization and its impact on the execution of computer instructions. [CO2]

PART-B [ 2x7M]

1. Explain with an example booth’s multiplication. [CO1]
2. Describe the functions of the common bus system and the importance of computer registers in the execution of instructions. [CO2]
3. Provide a comprehensive overview of the instruction cycle, highlighting the Fetch and Decode phases and the role of timing and control. [CO2]