Subject code: PC234EC Semester: 2nd

Subject name: Computer Organisation & Architecture ACY: 2020-2021

CLASS TEST-1

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

PART-A

1. Define instruction codes and discuss their importance in computer systems. [CO2]
2. Discuss the advantages of fixed-point representation and its applications in digital arithmetic. [CO1]
3. Describe the timing and control aspects of computer instructions in the instruction cycle. [CO2]

PART-B

1. Discuss the advantages and applications of fixed-point representation in the context of numbers in computer systems. [CO1]
2. Explore the concept of memory reference instructions in computer architecture, providing relevant examples. [CO2]
3. Explain the role of interrupts in computer systems, covering both program interrupts and the Interrupt cycle. [CO2]