Subject code: PC234EC Semester: 2nd

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

CLASS TEST-2

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

PART-A

1. Explain the concept of General Register Organization and its role in computer architecture.
2. Compare and contrast CISC and RISC architectures, highlighting their features and differences.
3. Describe the basics of vector processing and its significance in computer systems.

PART-B

1. How does the organization of general registers contribute to the efficiency of computer systems, and what are the design considerations involved?
2. Discuss the principles of stack organization and its role in supporting subroutine calls and managing local variables within a program.
3. Provide an in-depth comparison between Complex Instruction Set Computing (CISC) and Reduced Instruction Set Computing (RISC) architectures, considering their features and differences.