BCA: 3rd Semester **Computer Architecture** **Code:203**

OBJECTIVE: The objective of this paper is to identify the foundation terms and concepts that are commonly used in the architecture of a computer. It also identifies the important elements in designing a computer's architecture. This course will give complete view of how a computer system works.

QUESTIONS:

1) Briefly explain register transfer and register transfer language?
2) Discuss the bus and memory transfers and state the differences between them?
3) How many types of micro operations exist in a digital computer system? Explain them?
4) Define the following terms:
   a. Instruction code b) Instruction cycle c) Memory reference and register reference instructions

PROCEDURE:

For completing the assignment students should refer to the books mentioned in syllabus and they can take help from internet. The assignment should be handwritten and properly filled. Students should make assignment in the following manner:

1. Cover page
2. Objectives
3. Index
4. Content
5. Conclusion
6. References
7. Softcopy AND Hardcopy
8. Give proper headings and subheadings
9. Explain every topic in points and using diagrams.
10. Put Examples

OUTCOME:Upon completion of this assignment the student should be able to understand the design of Control Unit and ALU of a typical computer

REFERENCE BOOKS:

Morris Mano, Computer System Architecture, 3rd Edition, Prentice-Hall of India Private Limited