

**OBJECTIVE:** The objective of this paper is to identify the foundation terms and concepts that are commonly used in field of Computer Architecture. This course will give complete descriptions about the terms used in field of Computer Architecture.

**QUESTIONS:**

1. Explain Register Transfer, Bus and Memory Transfers.
2. Differentiate between RISC and CISC.
3. What is Asynchronous Data Transfer, Modes of Transfer, DMA.
4. Explain various types of Addressing Modes.
5. Write Short note on the following:
  - i) Main Memory,
  - ii) Auxiliary Memory
  - iii) Associative Memory
  - iv) Cache Memory
  - v) Virtual Memory

**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 & Hardcopy
8. Give proper headings and subheadings
9. Explain every topic in points and using diagrams.
10. Put Examples

**OUTCOME:**

After doing this assignment, students will come to understand the important terminologies to related to the Computer Architecture.

**REFERENCE BOOKS:**

- [R1]. William Stallings, Computer Organization and Architecture, 4th Edition, Prentice Hall of India Private Limited, 2001.
- [R2]. Subrata Ghosal, "Computer Architecture and Organization", Pearson 2011