

## **Computer Organization & Architecture (CSIT- 404)**

### **Assignment # 2**

**Date of Submission: 12 June 2024**

1. Explain the memory hierarchy in the computer systems.
2. Explain different types of memory available with us.
3. What is the concept of Associative memory? Explain.
4. What is cache memory? How it is fast as compared to conventional memory?
5. Explain the concept of virtual memory.
6. What is the concept of page replacement?
7. What is Multiprocessor? Explain the characteristics of multiprocessors.
8. Explain arithmetic pipelining.
9. What are the advantages of parallel processing? Define the terms: Pipeline, speed up ratio and memory interleaving.
10. Draw block diagram of memory hierarchy of computer system.  
Explain why 3 level hierarchy is necessary.