**-1List the access method on Memory?**

**Sequential access.**

**Direct access.**

**Random access.**

**Associative**

**-2Write notes about “Word” on Memory?**

**The natural unit of organization of memory.**

**The size of word is typically Equal to number of bits used to represent an integer and the instruction length.**

**For example the CRAY C90 ( an older model CRAY supercomputer) has a 64-bit word length but uses a 64-bit integer representation.**

**-3Write notes about Memory hierarchy?**

**To achieve greatest performance,the memory must be able to keep up with the processor.**

**There is a trade-off among the three key characteristics of memory: capacity,access time,and cost. A variety of technologies are used to implement memory system,and across this spectrum of technologies, the following relationships hold:**

**Faster access time,greater cost per bit.**

**Greater capacity, smaller cost per bit.**

**Greater capacity, slower access time.**

**Smaller ,more expensive, faster memories are supplemented by larger, cheaper, slower memories.**