-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.