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

**Ans)\_**

1. **Write notes about “Word” on Memory?**

**Ans) the “natural” unit of organization of memory . the size of a word is typically equal to number of bits used to present an integer and to instruction length**

1. **Write notes about Memory hierarchy?**

**Ans)** In [computer architecture](https://en.wikipedia.org/wiki/Computer_architecture), the **memory hierarchy** separates [computer storage](https://en.wikipedia.org/wiki/Computer_storage) into a hierarchy based on response time. Since response time, complexity, and capacity are related, the levels may also be distinguished by their performance and controlling technologies.[[1]](https://en.wikipedia.org/wiki/Memory_hierarchy#cite_note-toyzee-1) Memory hierarchy affects performance in computer architectural design, algorithm predictions, and lower level [programming](https://en.wikipedia.org/wiki/Computer_programming) constructs involving [locality of reference](https://en.wikipedia.org/wiki/Locality_of_reference).

Designing for high performance requires considering the restrictions of the memory hierarchy, i.e. the size and capabilities of each component. Each of the various components can be viewed as part of a hierarchy of memories (m1,m2,...,mn) in which each member mi is typically smaller and faster than the next highest member mi+1 of the hierarchy. To limit waiting by higher levels, a lower level will respond by filling a buffer and then signaling for activating the transfer