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

   1. *Sequential.*
   2. *Direct.*
   3. *Random.*
   4. *Associative.*

2. **Write notes about "Word" on Memory?**

   (Word): The natural unit of organization of memory. _the size of word equals the number of bits used to represent an integer and the instruction length.

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

we decided to make Memory hierarchy to be easy to get our needs. So, we find in the top of Memory hierarchy

in board memory
   Registers
   Cache
   Main memory

Out board memory
   Magnetic disk

offline storage
   Magnetic tape

we get that finally that:

Increasing access time

Increasing capacity

Decreasing frequency of access of the memory by processor

Decreasing cost per bit