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**Section :6**

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

***Sequential access.***

***Direct access.***

***Random access.***

***Associative******.***

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

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

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

***Unfortunately there are many exceptions , the cray 90 has a 64-bit word length but used a 46-bit integer representation***

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

***There is a Trade off among the 3 key characteristics of memory***

***1- Capacity.***

***2- Access time.***

***3- The cost***

***The variety of technologies are used to implement memory systems and across this spectrum of Technologies .***