

Q7) Under what conditions compulsory, conflict & capacity misses occur

→ i) Compulsory misses

⇒ A memory access where the cache block is empty. Happens when cache is cleared or started. Not usual in runtime.

ii) Conflict misses

⇒ Occurs when cache organization is restrictive enough, that the misses are caused because of it even when working set could have been accommodated in the cache. These don't happen with fully associated caches

iii) Capacity misses

⇒ Occurs when size of working set is too large for the cache to be stored in it. This is unavoidable.