

## Difference between Hard Disk Drive (HDD) and Solid State Drive (SSD) :-

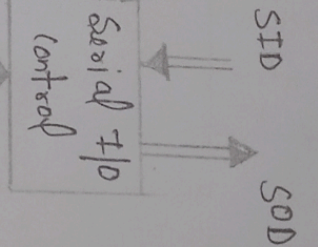
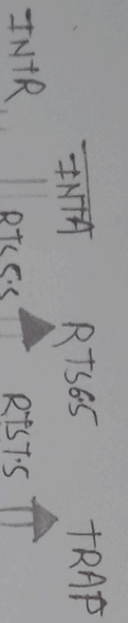
### Hard Disk Drive (HDD) :-

1. HDD contains moving mechanical parts, like the arm.
2. HDD contains moving R/W time.
3. HDD has higher latency.
4. HDD supports fewer I/O operations per second.
5. HDD has fragment.
6. HDD is heavier in weight.
7. HDD is larger in size.
8. In HDD the data transfer is sequential.
9. HDD is less reliable due to possibility of mechanical failure like head crash and susceptibility to strong magnets.
10. HDD is cheaper per unit.
11. HDD can produce noise due to mechanical movements.

### Solid State Drive :-

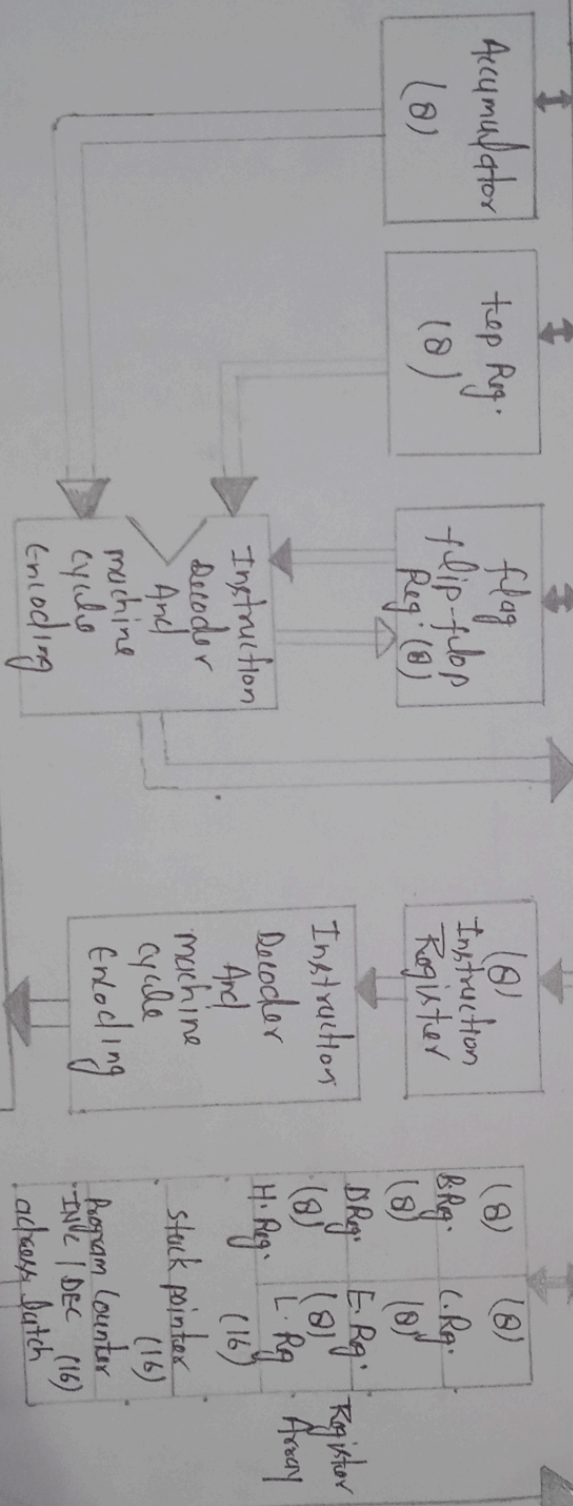
1. SSD does not contain mechanical parts only electrical part like ICs.
2. SSD has shorter R/W time.
3. SSD has lower latency.
4. SSD supports more I/O operations per second.
5. SSD do not has fragments.
6. SSD is lighter in weight.
7. SSD is more compact in size.
8. In SSD the data transfer is random access.
9. SSD is costlier per unit storage.
10. SSD does not produces noise.





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8 bit internal data bus



Power supply

