**Key points to remember from IC engines and Power transmission**

**2 stroke engine is:**

* An engine in which power is generated in every revolution of crank shaft
* An engine in which the fuel-air mixture OR air is indirectly taken into the engine cylinder through crankcase
* An engine which operates with ports.

**4 stroke engine is:**

* An engine in which power is generated in every alternate revolution of crank shaft
* An engine in which the fuel-air mixture OR air is directly taken into the engine cylinder
* An engine which operates with camshaft or valves.

**Saturation temperature=Boiling point**

**Identifying the steam condition:**

* if hgiven > hg, then steam is superheated
* if hf < hgiven < hg, then steam is wet steam
* if hgiven < hf, then the condition is unsaturated water
* if hgiven=hf, then steam is saturated

**Wet steam is a mixture of saturated water and saturated steam.**

**Criteria for obtaining maximum velocity ratio**

* Equal module gears OR equal circular pitch gears OR equal diametral pitch gears can only be meshed.
* Same type gears can only be meshed
* Compound gear train to be used
* The driver gear of each gear pair should have maximum teeth and the driven should have the minimum possible teeth.