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- (a) Flywheels have no influence over the mean speed of the engine while the governor has no influence on the cyclic fluctuations in speed
- (b) The flywheel is a heavy rotating wheel that reduces the jerk due to unavoidable speed fluctuations while a governor is a speed controlling device that controls speed variation caused due to varying load
- (c) Flywheels are heavy with a large moment of inertia while governors are light with a relatively small moment of inertia.

It is a mechanical feedback control system

- (a) The sensitivity of the inertia governor is greater than that of the centrifugal governor
- (b) The centrifugal governor's response is slower than the inertia governor's response
- (c) The centrifugal governor's revolving parts are easier to balance than that of the inertia governor

It is rarely used due to its sensitivity because it has no deadweight at its sleeve

The porter governor is more sensitive at higher speeds than the watt governor and the porter governor is able to carry deadweight unlike the watt governor.

A deadweight type governor is preferred seeing as the basic principle of engine operation is centrifugation