

Conjugal Bliss
Forever

Miracle & Aloysius
18th July 2020

Mmezi VICTOR

171 ENG 06 / 054

MEF 312.

S A Q 1

① Compare flywheel with governor

② 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 variations caused due to varying load.

b) A flywheel runs as long as the engine is running, while the governor runs when the engine doesn't run at its mean speed.

c) flywheels are heavy with a large moment of inertia while governor's are light with a ~~not~~ relatively small moment of inertia.

... the marriage of the Lamb is come, and his wife hath made herself ready. And to her was granted that she should be arrayed in fine linen, clean and white: for the fine linen is the righteousness of Saints. ... Blessed are they which are called unto the marriage supper of the Lamb. ... (Rev 19:7-9).
We pray that you will not be missing at the marriage supper in heaven in Jesus name! Amen! (Read Romans 10:9-10)

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2) Which type of control the governor system is?

Ans: Mechanical Feedback control system.

3) Compare centrifugal governors with inertia governors.

a) The response of the centrifugal governor is slower than that of the inertia governor.

b) Only centrifugal force controls the centrifugal governor while both centrifugal and inertia forces control the inertia governor.

c) The sensitivity of the inertia governor is greater than that of the centrifugal governor.

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d) The revolving parts of the centrifugal governor are easier to balance than that of the inertia governor.

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SAQ 2

Why is the walt governor rarely used?

Ans

The walt governor is rarely used because it is limited to only vertical position applications and its sensitivity decreases with speed increase.

SAQ 3

In which respect is the porter governor better than the waltz governor?

Ans

The porter is more sensitive at higher speeds than the walt governor and the porter

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We pray that you will not be missing at the marriage supper in heaven in Jesus name! Amen! (Read Romans 10:9-13). *

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Governor can carry dead weight unlike the
Walt governor.

SAQ 4

For IC engines what type of governor
will you prefer; Dead weight type or ~~spring~~
Spring controlled type? Give reasons.

Ans.

A dead weight / gravity controlled governor
is preferred in IC engines as the basic
principles of engine operation in centrifugation.