

2.8 30263 THEORY OF MACHINES

UNIT-1 SIMPLE MECHANISMS

- 1.1.1 Introduction
- 1.1.2 Resistant Body
- 1.1.3 Link [Element]
- 1.1.4 Classification of link or element
- 1.1.5 Machine versus structure
- 1.1.6 Kinematic pair
- 1.1.7 Classification of kinematic pairs
- 1.1.8 Kinematic chain
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- 1.1.11 The A.W Klein may use the relation between the joint link and higher pair
- 1.1.12 Number of degree of freedom far plane mechanism
- 1.1.13 Inversion of a mechanism
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- 1.1.15 Mechanical advantages of a linkage
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- 2.4 Fundamental laws of sliding friction
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- 3.3 Flat and V-Belt drive

- 3.4 Effect of slip on Velocity Ratio
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- 3.12 Power – transmitted by a belt
- 3.13 Centrifugal tension
- 3.14 Maximum power transmitted by a belt
- 3.15 Initial tension in the belt
- 3.16 Chains drive
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- 4.5 Fluctuation of energy and coefficient of fluctuation of energy
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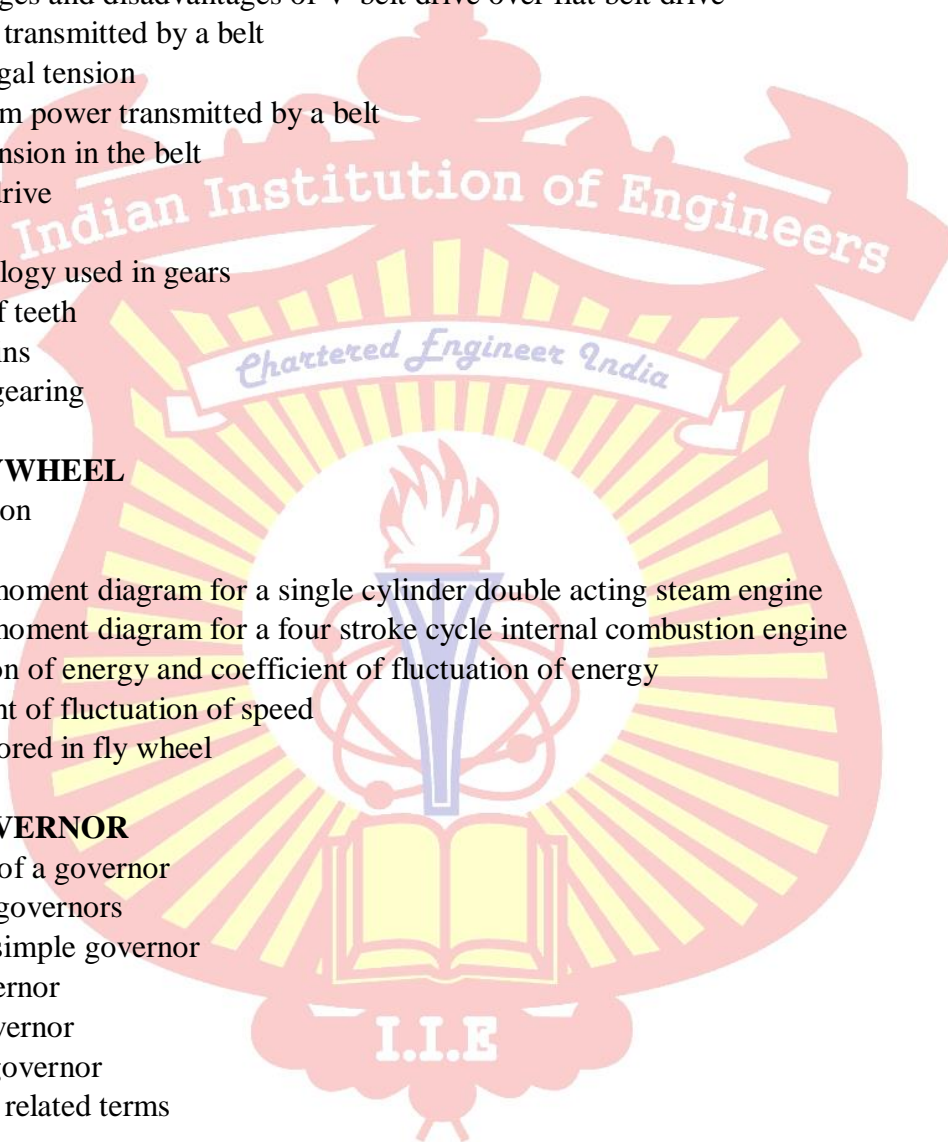
- 5.1 Principle of a governor
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- 5.4 Watt governor
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- 6.2 Types of balancing

UNIT-7 MECHANICAL VIBRATION

- 7.1 Introduction



- 7.2 types of vibrations
- 7.3 Harmful effects of vibrations
- 7.4 Remedies of vibrations

Reference Book: Theory of Machines by B.S. Ubhi

