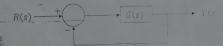
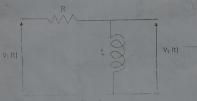
- b) If  $G(s) = \frac{4}{s^3 + 5s + 6}$ , analyze the stability of the system.



Consider the speed control system in fig. 2. The Amplifier produces a torque which drives the motor. The Gain of the Amplifier, K=10. The motor and load have a

Consider the RL circuit in fig. 3.

- c) If the inductor and resistor are permuted, calculate:



Turbine Flowmeters are the most widely used sensors for measuring Flow Rate.

- a) By using an illustrative diagram briefly explain how a Turbina Flowmeter functions

- d) A turbine flowmeter contains 120 Electromagnets imprinted at regular intervals around the circumference of the turbine wheel. The flowmeter is designed to