

Assignment 1
Control Systems
 SRM Institute of Science and Technology
 Kattankulathur

Max.Marks : 20

1. Write the differential equations governing the mechanical system in Force-voltage and Force-current analogy for the Figure (1).

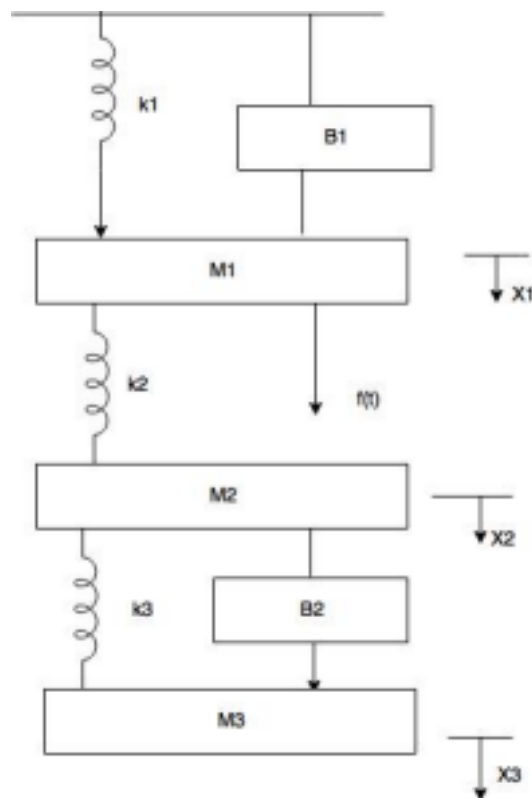


Figure 1: Question no.1

2. Obtain the mathematical model of the mechanical system in Force voltage and Force-current analogy for the Figure (2).

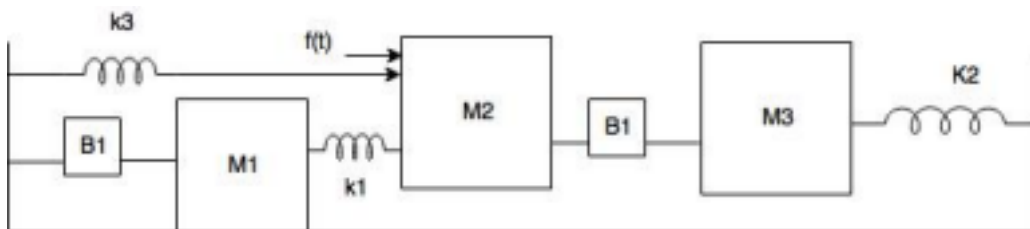


Figure 2: Question no.2