NED University of Engineering & Tech.   Electrical Engineering Department

Spring Semester 2020   TE-ME / TE-EE / TE-EL
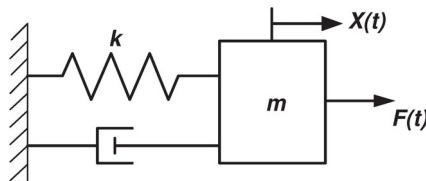
Lab Session 07

Exercise:

Question 1:

Write Transfer function $X(s)/F(s)$ for the system shown below. Find Rise time, Peak time, Overshoot, and Settling time for the transfer function using formulae derived in Chapter 4. Verify your results using a MATLAB script present at the end of Lab 7 in the manual. Change the time vector to *[0:0.001:300]* in the script.

System Parameters:
M = 705
B = 30
K = 15

Nothing to write below this line. Use blank A4 sheets to solve the given problem and attach them with this document.