NED University of Engineering & Tech.

Electrical Engineering Department

Spring Semester 2020

TE-ME / TE-EE / TE-EL

Lab Session 01

Exercise:

Question 1:

Consider the two polynomials $p(s)=s^2+2s+1$ and q(s)=s+1.

Write MATLAB script to compute

- a) p(s) * q(s)
- b) Roots of p(s) and q(s)
- c) p(-1) and q(6)

Question 2:

Write MATLAB script to find the partial fraction of the following

$$\frac{B(s)}{A(s)} = \frac{2s^3 + 5s^2 + 3s + 6}{s^3 + 6s^2 + 11s + 6}$$

Write answers below this line