NAME: ABAI OLAWALE DAVID

DEPT: CHEMICAL AND PETROLEUM ENGINEERING

MATRIC NO: 13/ENG01/001

COURSE CODE: CHE 531

COURSE TITLE: PROCESS DYNAMICS AND CONTROL (I)

ANSWERS TO ASSIGNMENT (I)

Let and

Substituting the above equation, we have

Taking the Laplace of both side, we have

Finding he roots of the quadratic equations above, we have

Multiplying the numerator by 5 to remove fraction, we have

To find the value of (A) let the value of s be 3

To find the value of B let the value of s be 1