IBRAHEEM HAMDALAH.O.

13/ENG01/005

CHE 531 ASSIGNMENT III

QUESTION TWO

1. Gf(s) = Gm(s) = 1

y(s) =

y(s) =

y(s) =

y(s) =

y(s) =

y(s) =

y(s) =

y(s) =

y(s) =

y(s) =

y(s) =

y(s) =

y(s) =

y(s) =

y(s) =

y(s) =

y(t) = L-1

y(t) =

1. Given: , and = 1.5

Recall,

for P: ;

I: ;

D:

Therefore,

for P,

for I,

for D,

QUESTION ONE

F =

Using Taylor’s series

Multiply through by

L-1

L-1 L-1

L-1

L-1