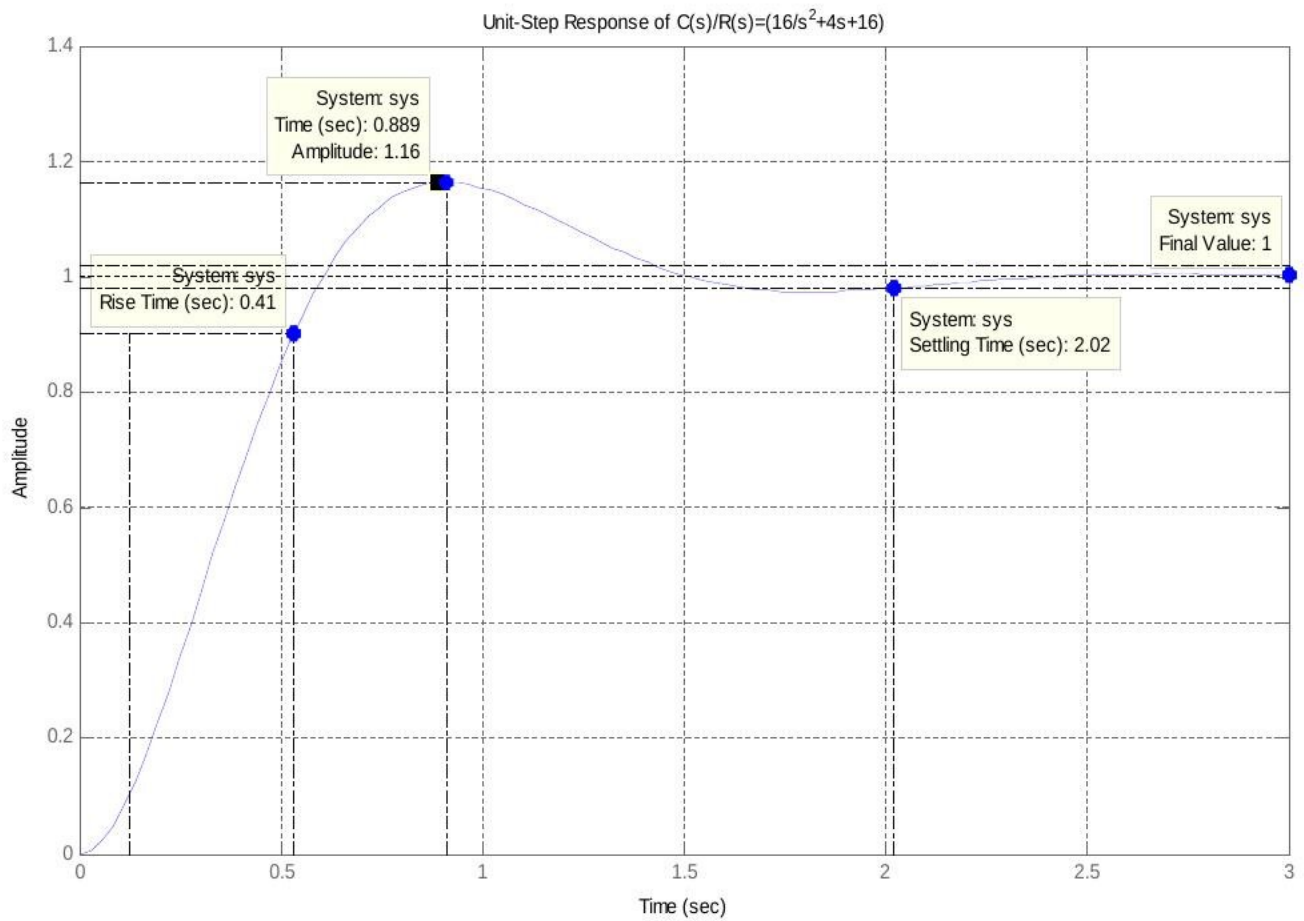


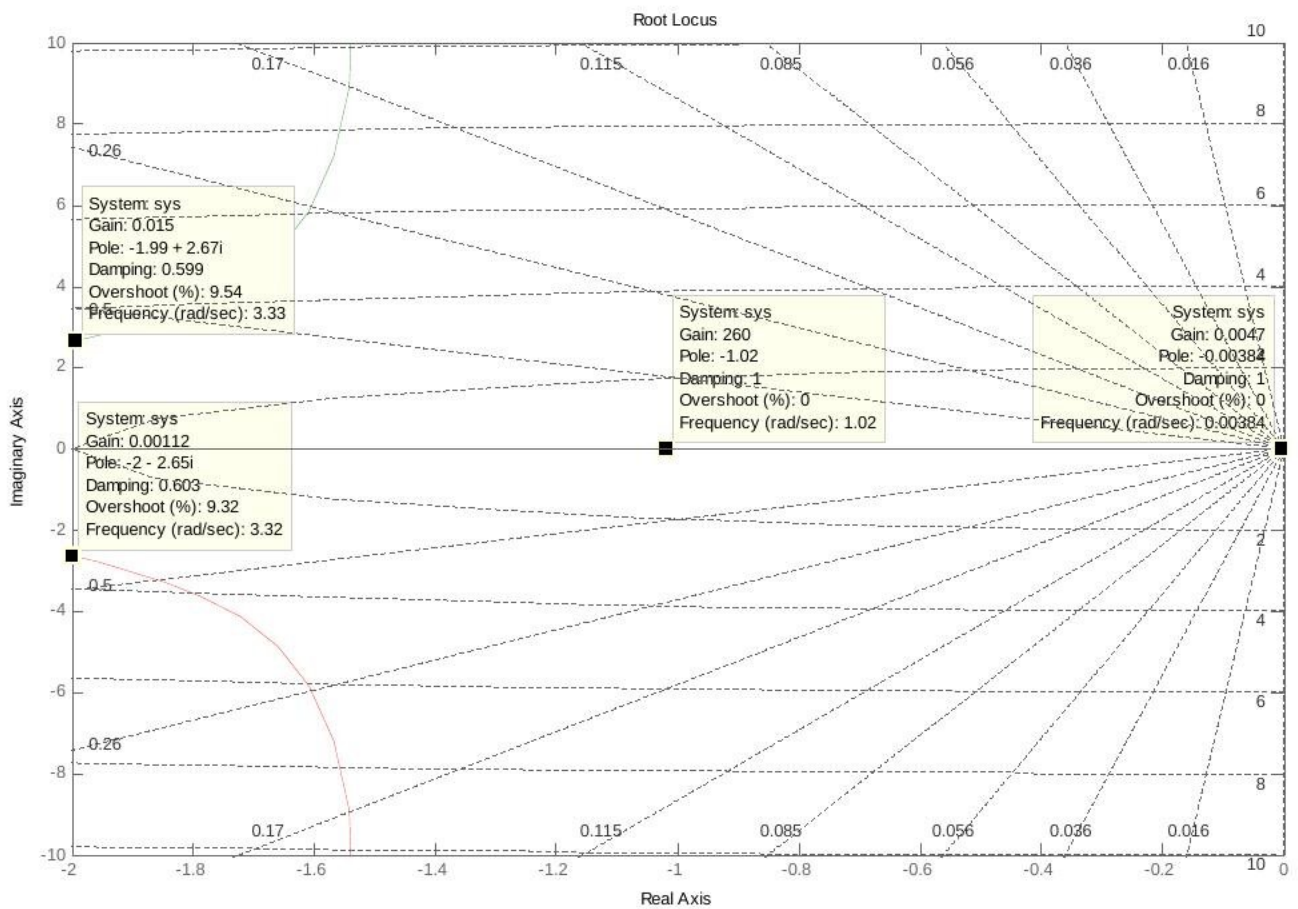
B-5-11

```
>> %---Unit step response----  
>> num=[0 0 16];  
>> den=[1 4 16];  
>> step(num,den)  
>> grid  
>> title('Response of C(s)/R(s)=(16/s^2+4s+16)')  
>> title('Unit-Step Response of C(s)/R(s)=(16/s^2+4s+16)')
```



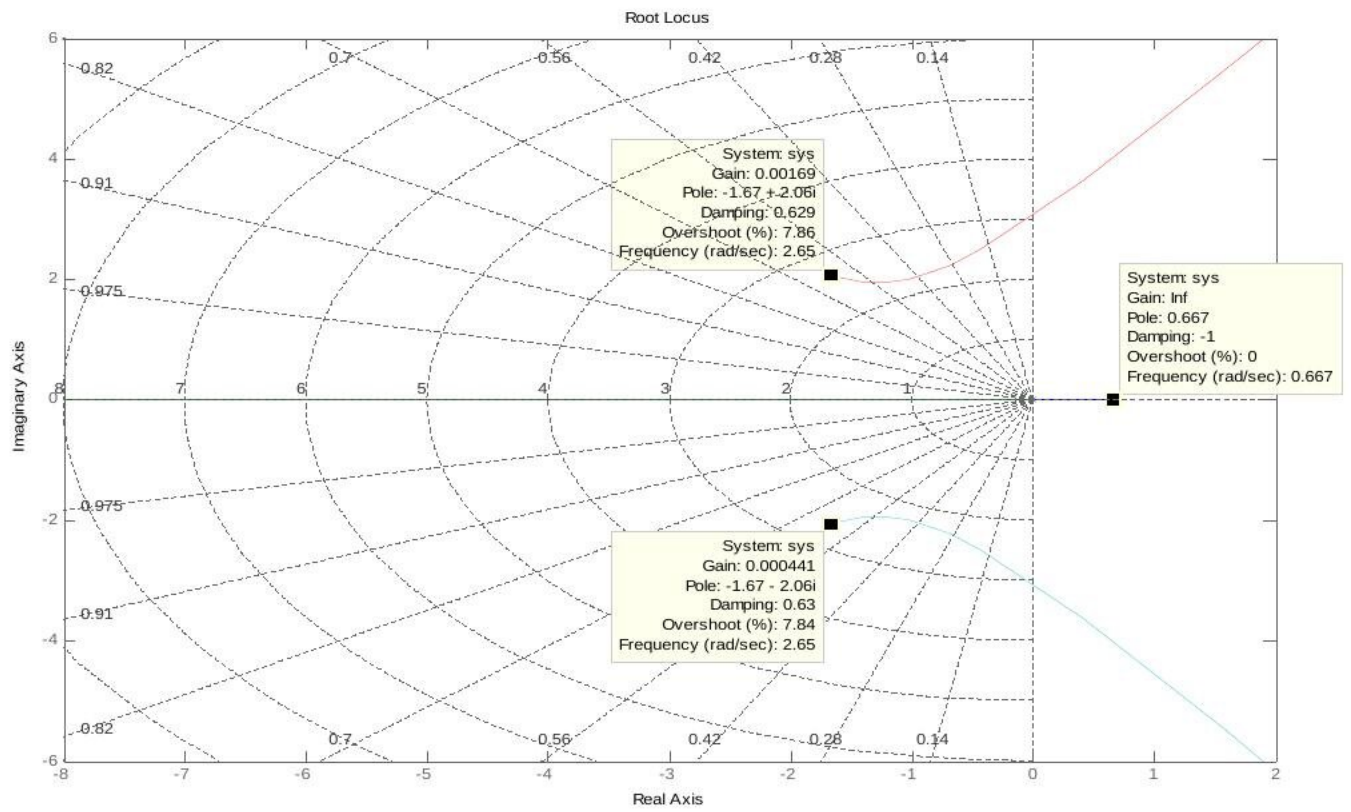
B.6-9)

```
num=[0 0 8.8 9]
den=[1 4 11 0]
rlocus(num,den)
grid
```



B.6-13)

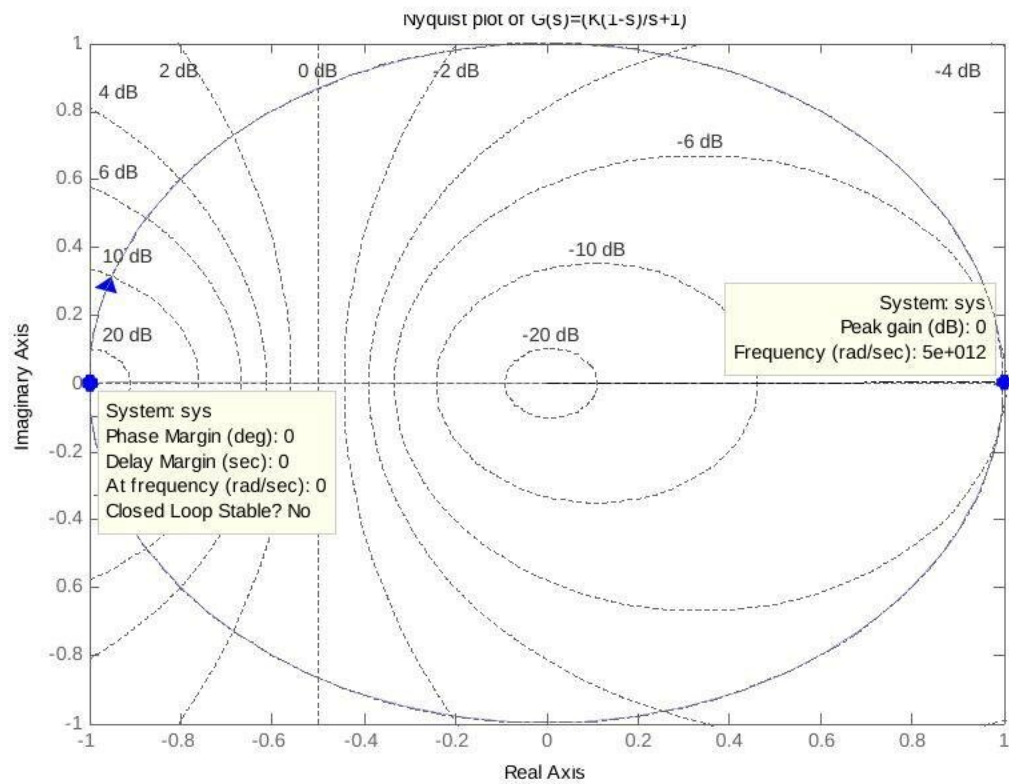
```
num=[0 0 0 30.926 -20.618]  
den=[1 3.3401 7.0325 0 0]  
rlocus(num,den)  
grid
```



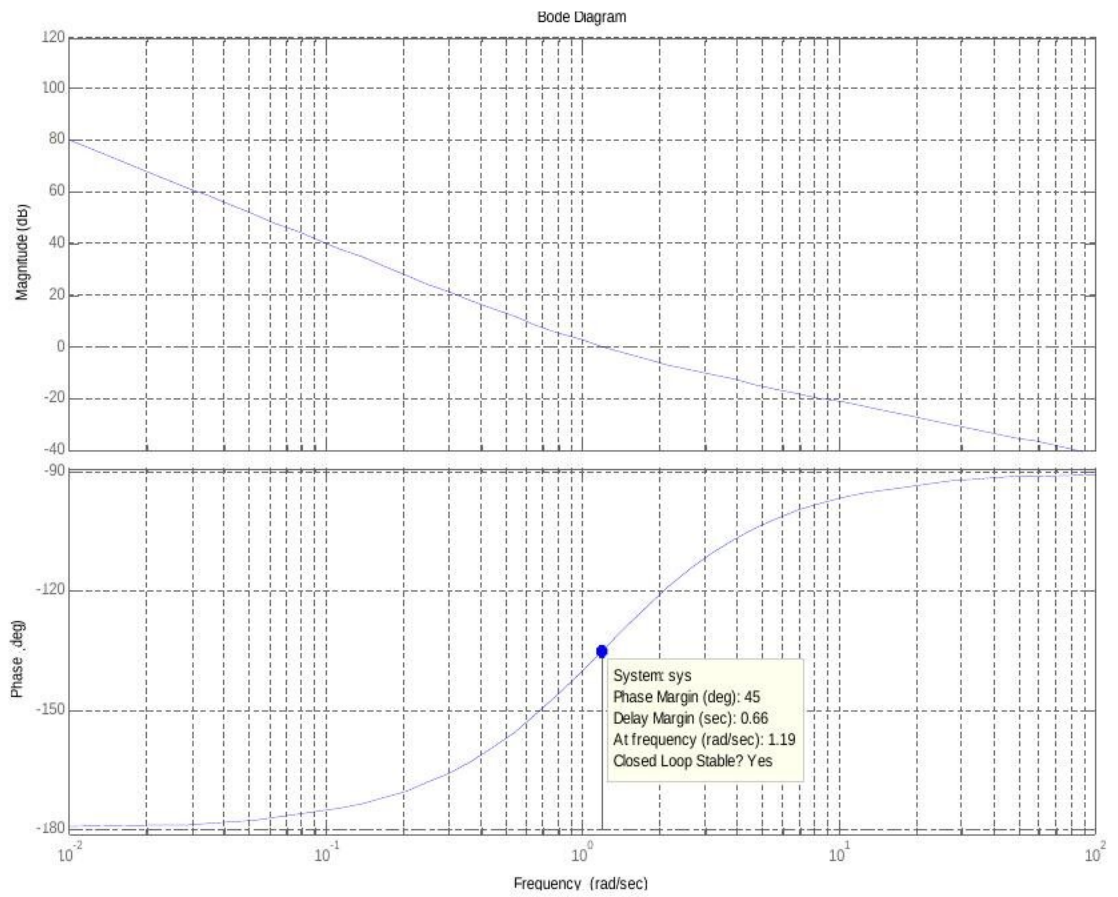


EEM322
ODEV NO:2

B-8/
10)



B-8/
26)



B-8-27)

Code

```
>> den=[1 11 10 0];  
>> num=[0 0 0 25];  
>> bode(num,den)  
>> grid  
>> title('Bode diagram of 25/s(s+1)(s+10)')
```

Bode Diagram

