Dronacharya College of Engineering, Gurgaon

Department of Electronics and Computers Engineering

Subject: Control system Engineering (EC-611-F)

Semester: VI/ Branch: ECS

Short Answer Question

Section A

1. State advantages of open loop system
2. Practical example of open loop system.
3. What is control system?
4. Effect of feedback on stability of a system.
5. Explain necessity of close loop system.

Section B

1. What is rise time?
2. What is under damped system?
3. What do you mean Critical damping?
4. What is (effect of damping on settling time of the system?
5. What is the function of overshoot and undershoot?

Section C

1. What is pole?
2. What is zero?
3. Explain Effect of pole on stability analysis?
4. Explain Effect of zeros on 1st order under damped system.
5. Why proportional control is used?

Section D

1. Practical example of Bode plot
2. What is Nyquist plot?
3. What is the limitation of root locus?
4. What is gain margin?
5. What is phase margin?