Department of Electronics & Communication Engineering Faculty of Engineering, Integral University, Lucknow

Quiz 4

Control Engineering (EE-501)

Faculty: Dr. S. Hasan Saeed

Due Date :

Problems: 10

- 1. The magnitude and phase relationship between the _____ input and the _____ output of a system is called the frequency response.
- 2. Bandwidth and rise time are ______ proportional.
- 3. The maximum value of the closed loop frequency response is called the
- 4. Increasing ω_n the bandwidth and _____ the rise time.
- 5. Bandwidth and resonant peak are _____ proportional.
- 6. A linear time-invariant system is stable, if the following two notions of the system stability are satisfied:
- 7. If all the roots of the characteristic equation have _____, then the impulse response is bounded and the system is stable.
- 8. Stability is a very important characteristic of the _____ response of the system.
- A system is said to be conditionally stable with respect to a parameter of the system, if it is stable for _____
- 10. All the elements in any row of the Routh array are zero indicates that there are ______ located roots of the characteristic equation in the s-plane.