**CHALAPATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY**

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| Class : **III/IV B.Tech** | **Quiz Examination** | Date : 01-11-19 |
| Section **: EEE** | **LINEAR CONTROL SYSTEMS** | Time : **90 Min** |
| Sub Code : **EE 311** |  | Max.Marks :**5** |

1. The output of the feedback control system must be a function of [ ]  
   a) Reference input b) Reference output c) Output and feedback signal **d) Input and feedback signal**
2. Consider a system with G(s) = s+6/Ks2+s+6. Its damping ratio will be 0.5 when the values of k is [ ]  
   a) 2/6 b) 3 **c) 1/6** d) 6
3. Routh Hurwitz criterion gives [ ]  
   **a) Number of roots in the right half of the s-plane** b) Value of the roots  
   c) Number of roots in the left half of the s-plane d) Number of roots in the top half of the s-plane
4. In a bode plot, which one of the following slopes would be exhibited by a 4th order all-pole system?[ ]  
   **a) -80dB/decade** b) -40 dB/decade c) 40 dB/decade d) 80 dB/decade
5. Which one of the following statements is not correct? [ ]  
   a) Root loci can be used for analyzing stability and transient performance  
   b) Root loci provide insight into system stability and performance  
   c) Shape of the root locus gives idea of type of controller needed to meet design specification  
   **d) Root locus can be used to handle more than one variable at a time**