

Department of Electronics & Communication Engineering
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Quiz 3

Control Engineering (EE-501)

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Due Date :

Problems : 10

1. The root locus technique was introduced by _____.
2. The root locus is _____ about the real axis.
3. In plotting the root locus, usually _____ is increased from 0 to ∞ .
4. The breakaway point can be either _____ or _____.
5. The number of branches of the root locus terminating on infinity is equal to _____.
6. Dominant poles are the poles which are _____.
7. For all real poles and zeros, the angles of departure and arrival are either _____ or _____.
8. As K increased from 0 to ∞ , each branch of the root locus originates at _____ where $K=$ _____ and terminates on an _____ or a _____ where $K=$ _____.
9. The value of K at any point s_0 on the root locus is given by $K=$ _____.
10. The angle of arrival at a complex zero is given by $\theta_a=$ _____ where σ is the _____.