ASSIGNMENT : 4

1. Write the circuit equations for a series RL circuit connected to a DC supply. Using Laplace transform, obtain the transfer function between Inductor current and supply voltage.
   Find the poles of the system described in previous question (above question mentioned)

2. Briefly describe the application of Laplace transform for transfer function approach in circuit analysis.

3. What is impulse function? Find the impulse response for the network function H(S)=5/(S2+S+1)

4. Derive Laplace Transform of $(t) = (t)$.

5. State the procedure to obtain solution of a network using Laplace Transform method. State advantages of Laplace method over classical method.