

Forenoon Session

DATE:

Date: 3/6/2020

Course: Network Theory

Name: Sneha G

USN: HAL18EC050

Topic: Evaluation of initial & final

conditions in RL, DC & RLC circuits.

- Two port Networks

Report:

DC Transient:

- Be able to write differential equation for a dc circuits containing two storage elements in presence of a resistance.
- To develop thorough understanding how to find the complete solution of 2nd order differential eqn.
- Be able to understand some terminologies that are highly linked with performance of a 2nd order system.
- Two ports & impedance parameters two port concept impedance parameters, reciprocal networks.
- Admittance, hybrid, & transmission parameters admittance parameters hybrid parameters.
- Circuit analysis with 2 ports terminated two ports, two port in cascade, two ports in series, two ports in parallel.
- Two ports & impedance parameters

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Basics

- Two port Network
- A four terminal network with i/p & o/p.
- The network characteristics is completely described by.
- A useful method to analyze filter, amplifier, etc
- Can be extended to multi-port networks
- D.C impedance parameters
- Hybrid parameter
- Transmission parameter.
- Response of a series R-L-C circuit due to voltage source
 - case A: overdamped response
 - case B: critically damped response
 - case C: under damped response.

Afternoon Session

DATE:

Date: 3/6/2020

Course: Python.

Name: Sneha-G

USN: HALISEC080

Report:

Build a Web-based Financial Graph.

- Web-based financial graph.
- Downloading Datasets with Python.
- Stock Market Data
- Stock Market Data candle stick charts.
- candlestick with Quadrants
- candlestick with Bokeh.
- Styling the chart
- The Concept Behind Embedding.
- Embedding the Bokeh chart in a web page.
- Deploying the chart website to a live server
- Rectangle candlestick segments lux
- Bokeh charts in a flask webpage