Forenoon Session

Date: 2/6/2020 Name: Sneha.G

Course: Network Theory USN: 4AL18EC050

Topic: • Network Theorems

• Resonance

- Superposition theorem: It states that for a linear system the response in any branch of a bilateral linear circuit having more than one independant source equals the algebraic sum of the respons
- Thevenin's Theorem: Any linear circuit containing several voltages & resistances can be replaced by just one single voltage in series with single resistance
- Norton's theorem: A linear active network consisting of the independent or dependent voltage source & current sources & the various circuit elements can be substituted
- Reciprocity: In any branch of a network or circuit, the current due to a single source of voltage (V) in the network is equal to the current through that branch &
- Millmans theorem: when a no. of voltage sources are in parallel having internal resistance respective, the arrangement can replace by a single equivalent voltage source
- Maximum Power Theorem: to obtain max. external power from a source with a finite internal resistance, the resistance of the load must equal of source as viewed
- Compensation theorem: the source voltage opposes original current
- Tellegens theorem: summation of power delivered is zero for each branch

⇒ Resonance and Bandwidth:

- In the RLC circuit
- Quality factor
- Bandwidth
- Derivation for the expression of R_p
- Derivation of bandwidth
- Expression of Quality factor.

classmate
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Afternoon Session:

Date: 8/6/2020
Course: Python
Topic: Scrape Real Estate Property

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Sem & Sec: IV, A

Report:

Application 8: Scrape Real Estate Property

- Scraped Website Data
- Loading the Webpage in python
- Extracting "div" Tags
- Extracting Addresses & property details
- Extracting elements
- Saving the Extracted Data in CSV files
- Crawling Through web pages.