Lesson Plan

BSc I Sem Electronics

**Paper: II (THEORY)**

**Nomenclature: -Network Analysis**

Teacher name: SK Bathla

October 2020

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| **Network Theorems-I:-** Kirchoffs Voltage Law, Kirchoffs Current Law, Mesh Analysis, Nodal Analysis, Source Transformation Technique, Star-Delta Transformation, Superposition Theorem, Thevenin’s Theorem, Examples and problems of each topic. |

November 2020

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| **Network Theorems-II:-**Norton’s Theorem, Reciprocity Theorem, Compensation Theorem, Maximum Power Transfer Theorem, Duals and Duality, Tellegen’s Theorem, Millman’s Theorem.  **Unit –III**  **Two–port Network-I:-**Open Circuit Impedance(Z) Parameters, |

December 2020

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| Short Circuit Admittance (Y) Parameters, Transmission(ABCD) Parameters, Inverse Transmission (A’B’C’D’) Parameters, |

January2021

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| Hybrid(h) Parameters, Inverse Hybrid(g) Parameters , Inter Relationships of different parameters.  **Unit –IV**  **Two–port Network-II: -**Conversion of Parameters, Inter Connection of Two – Port Networks, |

February 2021

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| T and π Representation, Terminated Two-Port Networks, Lattice Networks, Image Parameters |