Part B:

14) **Course plan specifying content, CLOs, co-curricular activities (if any) teaching learning and assessment strategy mapped with CLOs.**

Week	Topic	Teaching- Learning Strategy	Assessment Strategy	Corresponding CLOs
1	Introduction to Charge, Current, Voltage, Power, Energy and Circuit Elements	Lecture, Presentation, Learning Video	Oral question, Peer and individual task	CLO1
2	Basic Law's: Ohm's Law and Kirchoff's Law, Series resistors and voltage division, parallel resistors and current division	Lecture, Presentation, Learning Video, Problem Solving	Topic based presentation, Quiz, Oral question, Assignments	CLO1, CLO2
3	Basic Law's: Equivalent resistance and the conversions from Wye-Delta Transformation	Lecture, Presentation, Learning Video, Problem Solving	Topic based presentation, Quiz, Oral question, Assignments	CLO1, CLO2
4	Methods of Analysis: Mesh analysis without and with current source	Lecture, Presentation, Learning Video, Problem Solving	Problem solving test, Assignment	CLO1,CLO2, CLO3, CLO5
5	Methods of Analysis: Nodal analysis without and with voltage source	Lecture, Presentation, Learning Video, Problem Solving	Problem solving test, Assignment	CLO1,CLO2, CLO3, CLO5
6	Circuit Theorems: Linear property and Superposition	Lecture, Presentation, Learning Video, Problem Solving, Interactive Learning, Flipped Learning, Blended Learning, Small Group Learning	Problem solving test, Assignment, Oral question, Topic based presentation, Class test	CLO3, CLO5
7	Circuit Theorems: Source Transformation, Thevenin Theorems	Lecture, Presentation, Learning Video, Problem Solving, Interactive Learning, Flipped Learning, Blended Learning, Small Group Learning	Problem solving test, Assignment, Oral question, Topic based presentation, Class test	CLO3, CLO5
8	Circuit Theorems: Maximum power Transfer	Lecture, Presentation, Learning Video, Problem Solving, Interactive Learning, Flipped Learning, Blended Learning, Small Group Learning	Problem solving test, Assignment, Oral question, Topic based presentation, Class test	CLO3, CLO5
9	Circuit Theorems: Nortons equivalent	Lecture, Presentation, Learning Video, Problem	Problem solving test, Assignment,	CLO3, CLO5

	circuit	Solving, Interactive Learning, Flipped Learning, Blended Learning, Small Group Learning	Oral question, Topic based presentation, Class test	
10	Operational Amplifiers: Ideal Opamp, Non-inverting Opamp, Inverting Opamp, Cascaded Opamp Circuits	Lecture, Presentation, Learning Video, Problem Solving, Interactive Learning, Flipped Learning, Blended Learning, Small Group Learning	Problem solving test, Assignment, Oral question, Topic based presentation, Class test	CLO3, CLO4, CLO5
11	Capacitors and Inductors: Capacitors, series and parallel combination, Inductors, series and parallel combination, Integrator and differentiator	Lecture, Flipped Learning, Practical Demonstration, Problem Based Learning	Peer and individual practical design test and problem-solving test, Class test	CLO3, CLO4
12	First Order Circuits: The source free RL circuit	Lecture, Prestation, Learning Video, Problem Solving, Practical Demonstration	Problem solving test, assignment, quiz, oral question, topic-based presentation, problem solving test	CLO1,CLO2, CLO3, CLO4
13	First Order Circuits: The source free RC circuit	Lecture, Presentation, Learning Video, Problem Solving	Problem solving test, Assignment	CLO3
14	First Order Circuits: Step Response of RL and RC circuits Second Order Circuits: The source free RLC circuit	Lecture, Presentation, Learning Video, Problem Solving	Problem solving test, Assignment	CLO3
15	Magnetic circuit	Lecture, Presentation, Learning Video, Problem Solving	Problem solving test, Assignment	CLO3