Engineering Chemistry CO

CO1	1. use of free energy in equilibrium, rationalize bulk properties and processes using thermodynamic considerations, electrochemical energy system	**L1-Remembering**-(List, Identify, Outline) **L2-Understanding**-(Explain, Describe, Interpret, Distinguish) **L3-Applying**-(Apply, Calculate, Solve)
CO2	2. causes and effects of corrosion of metal and control of corrosion. modification of surface properties of metals to develop resistance to corrosion, wear, tear impact etc by electroplating and electroless plating	**L1-Remembering**-(List, Identify, Outline) **L2-Understanding**-(Explain, Describe, Interpret, Distinguish)
CO3	3. production and consumption of energy for industrialization of country and living standards of people. electrochemical and concentration cell. classical , modern batteries and fuel cells. utilization of solar energy for different useful forms of energy	**L1-Remembering**-(List, Identify, Outline) **L2-Understanding**-(Explain, Describe, Interpret, Distinguish)
CO4	4. environmental pollution, waste management and water chemistry.	**L1-Remembering**-(List, Identify, Outline) **L2-Understanding**-(Explain, Describe, Interpret, Distinguish)
CO5	Different techniques of instrumental methods of analysis. fandamental principles of nano materials	**L1-Remembering**-(List, Identify, Outline) **L2-Understanding**-(Explain,

		Describe, Interpret, Distinguish)

Engineering Chemistry (CO and PO mapping)

COs	PO1	PO2
CO1 . 1. use of free energy in equilibrium, rationalize bulk properties and processes using thermodynamic considerations, electrochemical energy system	1	2
CO2 . 2. causes and effects of corrosion of metal and control of corrosion. modification of surface properties of metals to develop resistance to corrosion, wear, tear impact etc by electroplating and electroless plating	1	2
CO3 . 3. production and consumption of energy for industrialization of country and living standards of people. electrochemical and concentration cell. classical , modern batteries and fuel cells. utilization of solar energy for different useful forms of energy	1	2
CO4 . 4. environmental pollution, waste management and water chemistry.	1	2
CO5 . Different techniques of instrumental methods of analysis. fandamental principles of nano materials	1	2