LESSON PLAN

Department: Electrical Engineering

NAME OF THE FACULTY: Venkata Maruti Prasad S **CLASS**:1st EEE_B **BRANCH**: EEE

SUBJECT: Engineering Chemistry **Year**: 2017-18 **SEM**: I

Period		Date (Tentative)	Topic	Unit	Teaching Methodology	Remarks	Corrective action upon Review
1	3	02/08/2017	Introduction – Definitions of Polymer, Polymerization- Functionality	1	CR		
2	4	04/08/2017	– Degree of polymerization, Types of polymerizations (addition and condensation polymerizations)	1	CR		
3	5	05/08/2017	Types of polymerizations (addition and condensation polymerizations)	1	CR		
4	5	07/08/2017	Plastics – Definition and properties	1	CR		
			Thermoplastics , Thermosetting Plastics	1	CR		
5	2	08/08/2017	Compounding of Plastics	1	CR		
6	3	09/08/2017	Moulding of plastics into Articles (Compression, injection))	1	CR		
7	4	11/08/2017	Moulding of plastics into Articles (Compression, injection))	1	CR		
8	5	14/08/2017	Moulding of plastics into Articles (transfer and extrusion moulding methods, Classification of cements	1	CR		
9	5	16/08/2017	Manufacture of Portland cement - Chemical constitution of Portland cement	1	CR		
10	3	18/08/2017	Chemical constitution of Portland cement	1	CR		
11	4	19/08/2017	Setting and Hardening of Portland Cement.	1	CR		
12	5	21/08/2017	Setting and Hardening of Portland Cement.	1	CR	1st Unit Will Be Completed	
13	2	22/08/2017	Temporary and Permanent Hardness	2	CR		
14	3	23/08/2017	Units and Inter Conversions of Units	2	CR		
15	5	26/08/2017	Estimation of Hardness by EDTA Methods	2	CR		
16	5	28/08/2017	Treatment of Water for Domestic Purposes - Sedimentation – Coagulation-Filtration	2	CR		
17	2	29/08/2017	Treatment of Water for Domestic Purposes - Sedimentation – Coagulation-Filtration	2	CR		
18	3	30/08/2017	Disinfection – Sterilization – Chlorination	2	CR		
19	4	01/09/2017	Break Point chlorination – Ozonisation	2	CR		
20	5	04/09/2017	Industrial Water Treatments- Desalination – Electro Dialysis	2	CR		
21	2	05/09/2017	Reverse Osmosis	2	CR		
22	3	06/09/2017	Lime-Soda Process	2	CR		
			Zeolite Process	2	CR		
23	4	08/09/2017	Ion-Exchange Process	2	CR		

		09/09/2017	SECOND SATURDAY	3	CR		
24	5	11/09/2017	Ion-Exchange Process	2	CR		
25	2	12/09/2017	Problems on Hardness	2	CR		
26	3	13/09/2017	Problems on Hardness	2	CR	2nd Unit will be completed	
27	4	15/09/2017	Definition, Causes and Effects of Corrosion	3	CR		
28	5	16/09/2017	Theories of Corrosion (Chemical and Electro Chemical Corrosion)	3	CR		
29	5	18/09/2017	Mechanism of Electro Chemical Corrosion (Hydrogen Evolution Type)	3	CR		
30	2	19/09/2017	Mechanism of Electro Chemical Corrosion (Oxygen Absorption Type)	3	CR		
31	3	20/09/2017	Dry Corrosion and its types				
32	4	22/09/2017	By other gases				
33	5	23/09/2017	Liquid metal corrosion				
34	5	25/09/2017	Revision Class				
35	2	26/09/2017	Revision Class	3	CR		
36	3	27/09/2017	Revision Class	3	CR		
		28/09/2017 TO 30/09/2017	DUSSEHARA HOLIDAYS	3	CR		
		02/10/2017 To 09/10/2017	1st Mid Examinations	3	CR		
37	5	09/10/2017	Types of Corrosion (Galvanic Corrosion, Differential Aeration Corrosion)	3	CR		
38	2	10/10/2017	Types of Corrosion (Water Line Corrosion, Pitting Corrosion and Stress corrosion), Galvanic Series	3	CR		
39	3	11/10/2017	Factors Effecting Rate of Corrosion (Nature of Metal)	3	CR		
40	4	13/10/2017	Proper Designing	3	CR		
			Modifying the Environment	3	CR		
			Cathodic Protection (Sacrificial Anodic)	3	CR		
			Cathodic Protection (Impressed Current)	3	CR	3rd Unit Will be completed	
		14/10/2017	SECOND SATURDAY				
41	5	16/10/2017	Classification of Crude Oil	4	CR		
			Fractional Distillation of Petroleum	4	CR		
42	2	17/10/2017	Manufacturing Of Synthetic Petrol (Fischer-Tropschs)	4	CR		
43	3	18/10/2017	Manufacturing Of Synthetic Petrol (Bergius Process)	4	CR		
44	4	20/10/2017	Knocking –Anti Knocking Agents	4	CR		
45	5	21/10/2017	Octane & Cetane Number	4	CR		
46	5	23/10/2017	Definition and functions of lubricants	4	CR		
47	2	24/10/2017	Classification of lubricants with examples	4	CR		
48	3	25/10/2017	Classification of lubricants with examples	4	CR		
49	4	27/10/2017	Mechanism of lubrication – Thick film, Thin film and Extreme pressure	4	CR		

			lubrication				
50	5	28/10/2017	Mechanism of lubrication – Thick film, Thin film and Extreme pressure lubrication	4	CR		
51	4	30/10/2017	Mechanism of lubrication – Thick film, Thin film and Extreme pressure lubrication	4	CR		
52	5	31/10/2017	Properties of lubricants - Viscosity, flash and fire points	4	CR		
53	3	01/11/2017	Properties of lubricants - cloud and pour points, aniline points,	4	CR		
54	4	03/11/2017	Properties of lubricants - neutralization number and mechanical strength	4	CR	4th Unit Will Be completed	
55	5	04/11/2017	Chemical sources of energy- Single electrode potential	5	CR		
56	5	06/11/2017	Chemical sources of energy- Single electrode potential	5	CR		
57	2	07/11/2017	Faraday Laws	5	CR		
			electro chemical series	5	CR		
58	3	08/11/2017	Nernst Equation	5	CR		
59	4	10/11/2017	Reference electrode – calomel electrode –	5	CR		
		11/11/2017	SECOND SATURDAY	5	CR		
60	5	13/11/2017	Reference electrode –NHE (or) SHE	5	CR		
61	2	14/11/2017	Renewable Energy Source	5	CR		
62	3	15/11/2017	Green house concept	5	CR		
63	4	17/11/2017	harnessing of solar energy	5	CR		
64	5	18/11/2017	photo voltaic cells	5	CR		
65	5	20/11/2017	photo voltaic cells	5	CR		
66	2	21/11/2017	concentrated power plants	5	CR		
67	3	22/11/2017	parabolic trough	5	CR		
68	4	24/11/2017	Solar dish - solar tower.	5	CR		
69	5	25/11/2017	Solar dish - solar tower.	5	CR	5th Unit will Be completed	
70	5	27/11/2017	Revision of Unit-I		CR		
71	2	28/11/2017	Revision of Unit-II		CR		
72	3	29/11/2017	Revision of Unit-III		CR		
73	4	01/12/2017	Revision of Unit-IV		CR		
74	5	02/12/2017	Revision of Unit-V		CR		