

LESSION PLAN

Department: ELECTRONICS AND COMMUNICATION ENGINEERING

NAME OF THE FACULTY: J.SURESHKUMAR

CLASS: 1st ECE_C **BRANCH:** ECE

SUBJECT: Engineering Chemistry

Year: 2017-18

SEM: II

Period	Date (Tentative)	Topic	Unit	Teaching Methodology	Remarks	Corrective action upon Review
1	08/01/2018	Introduction – Definitions of Polymer, Polymerization	1	CR		
2	10/01/2018	Functionality – Degree of polymerization	1	CR		
	12/01/2018 TO 17/01/2018	PONGAL HOLIDAYS				
3	18/01/2018	Types of polymerizations (addition and condensation polymerizations)	1	CR		
4	20/01/2018	Condensation polymerization	1	CR		
5	20/01/2018	Plastics – Definition and properties	1	CR		
6	22/01/2018	Thermoplastics	1	CR		
	26/01/2018	REPUBLIC DAY				
7	27/01/2018	Thermosetting Plastics	1	CR		
8	27/01/2018	Compounding of Plastics	1	CR		
9	29/01/2018	Moulding of plastics into Articles (Compression, injection))	1	CR &PPT		
10	31/01/2018	Moulding of plastics into Articles (transfer and extrusion moulding methods)	1	CR&PPT		
11	1/02/2018	Classification of cements	1	CR		
12	3/02/2018	Manufacture of Portland cement - Chemical constitution of Portland cement	1	CR		
13	03/02/2018	Manufacture of Portland cement - Chemical constitution of Portland cement	1	CR		
14	05/02/2018	Setting and Hardening of Portland Cement.	1	CR	1 st Unit Will Be Completed	
15	07/02/2018	Hardness of Water	2	CR		
16	08/02/2018	Temporary and Permanent Hardness	2	CR		
17	12/02/2018	Units and Inter Conversions of Units	2	CR		
18	14/02/2018	Problems on Temporary and Permanent Hardness	2	CR		
19	15/02/2018	Estimation of Hardness by EDTA Methods	2	CR		
20	17/02/2018	Treatment of Water for Domestic Purposes - Sedimentation – Coagulation-Filtration	2	CR		
21	17/02/2018	Disinfection – Sterilization – Chlorination	2	CR		
22	19/02/2018	Break Point chlorination – Ozonisation	2	CR		
23	21/02/2018	Industrial Water Treatments- Desalination – Electro Dialysis	2	CR &PPT		
24	22/02/2018	Reverse Osmosis	2	CR &PPT		
25	24/02/2018	Lime-Soda Process	2	CR		
26	24/02/2018	Zeolite Process	2	CR		
27	26/02/2018	Ion-Exchange Process	2	CR &PPT	2 nd Unit Will Be	

					Completed	
28	28/02/2018	Definition, Causes and Effects of Corrosion	3	CR		
29	01/03/2018	Theories of Corrosion (Chemical and Electro Chemical Corrosion)	3	CR &PPT		
30	03/03/2018	Mechanism of Electro Chemical Corrosion (Hydrogen Evolution Type)	3	CR		
31	03/03/2018	Mechanism of Electro Chemical Corrosion (Oxygen Absorption Type)	3	CR		
	05/03/2018 To 10/03/2018	1 ST MID EXAMINATIONS				
32	12/03/2018	Types of Corrosion (Galvanic Corrosion, Differential Aeration Corrosion)	3	CR		
34	14/03/2018	Types of Corrosion (Water Line Corrosion, Pitting Corrosion and Stress corrosion)	3	CR		
35	15/03/2018	Galvanic Series	3	CR		
36	17/03/2018	Factors Effecting Rate of Corrosion (Nature of Metal)	3	CR		
37	19/03/2018	Factors Effecting Rate of Corrosion (Nature of Environment)	3	CR		
38	21/03/2018	Proper Designing	3	CR		
39	22/03/2018	Modifying the Environment	3	CR		
40	24/03/2018	Cathodic Protection (Sacrificial Anodic)	3	CR &PPT		
41	24/03/2018	Cathodic Protection (Impressed Current)	3	CR &PPT	3 rd Unit Will be completed	
42	26/03/2018	Classification of Crude Oil	4	CR		
43	28/03/2018	Fractional Distillation of Petroleum	4	CR		
44	29/03/2018	Manufacturing Of Synthetic Petrol (Fischer-Tropschs)	4	CR &PPT		
45	31/03/2018	Manufacturing Of Synthetic Petrol (Bergius Process)	4	CR &PPT		
46	02/04/2018	Knocking –Anti Knocking Agents	4	CR		
47	04/04/2018	Octane & Cetane Number	4	CR		
48	07/04/2018	Definition and functions of lubricants	4	CR		
49	07/04/2018	Classification of lubricants with examples	4	CR		
50	09/04/2018	Mechanism of lubrication – Thick film, Thin film and Extreme pressure lubrication	4	CR		
51	11/04/2018	Mechanism of lubrication – Thick film, Thin film and Extreme pressure lubrication	4	CR		
52	12/04/2018	Properties of lubricants - Viscosity, flash and fire points	4	CR		
	14/04/2018	Dr.B.R. AMBEADKARJAYANTHI				
53	16/04/2018	Properties of lubricants - cloud and pour points, aniline points,	4	CR		
54	18/04/2018	Properties of lubricants - neutralization number and mechanical strength	4	CR	4 th Unit Will Be completed	
55	19/04/2018	Chemical sources of energy- Single electrode potential	5	CR		
56	21/04/2018	Faraday Laws	5	CR		
57	21/04/2014	electro chemical series	5	CR		

58	23/04/2018	Nernst Equation	5	CR		
59	25/04/2018	Reference electrode – calomel electrode –	5	CR		
60	26/04/2018	Reference electrode –NHE (or) SHE	5	CR		
61	28/04/2018	Green house concept	5	CR		
62	28/04/2018	harnessing of solar energy	5	CR		
63	30/04/2018	photo voltaic cells	5	CR&PPT		
64	02/05/2018	concentrated power plants, parabolic trough, Solar dish - solar tower	5	CR &PPT	5 th Unit will Be completed	
65	03/05/2018	Revision of difficult topics		CR		
66	05/05/2018	Revision of difficult topics		CR		
67	05/05/2018	Revision of difficult topics		CR		