

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	30/9	Polymerization Reac ⁿ	I	CR		
2	1/10	Basic Concept of Polymers	I	CR		
3	3/10	Types of polymerization Addition	I	CR		
4	5/10	Condensation polymerisation differences	I	CR		
5	7/10	Co-polymerisation Examples	I	CR		
6	8/10	Plastics - Advantages - Disadvantages	I	CR		
7	9/10	Def. of Thermoplastics & Thermosetting	I	CR		
8	17/10	Diff of Thermoplastics & Thermosetting	I	CR		
9	19/10	Compounding of plastics	I	CR		
10	21/10	moulding of plastics. compression, Injection	I	CR		
11	22/10	Transfer, Extrusion moulding	I	CR		
12	23/10	preparation, properties, use of PE, PVC	I	CR		
13	24/10	" " of Teflon, Bakelite	I	CR		
14	26/10	" " of Nylon, polyester	I	CR		
15	28/10	classification of cement.	I	CR		
16	29/10	Raw materials - portland cement.	I	CR		
17	30/10	manufacturing of portland cement	I	CR		
18	31/10	chemical constitution of portland cement	I	CR		
19	2/11	Setting of cement				

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
20	4/11	Hardening of cement	I	CR		
21	5/11	properties and uses of cements	I	CR		
22	6/11	Revision class - unit	I			
23	7/11	Revision class - unit				
24	from 11/11 to 13/11	HOLIDAYS				
25	14/11	Introduction to extended Hardness types	I	CR		
26	16/11	uses Temporary & permanent	II	CR		
27	18/11	Estimation of Hardness by EDTA method	II	CR		
28	19/11	problems on Temporary & permanent hardness	II	CR		
29	20/11	disadvantages of hard-water	II	CR		
30	21/11	Sedimentation, coagulation, filtration	II	CR		
31	23/11	Disinfection, Sterilisation, chlorination	II	CR		
32	25/11	Break point chlorination, Ozonization	II	CR		
33	26/11	Industrial water Treatment - Desalination	II	CR		
34	27/11	Zeolite process - Ion Exchange process	II	CR		
35	28/11	Revision Class	II			
36	30/11	Definition - Examples Types of Corrosion	III	CR		
37	2/12	Theories of Corrosion & mechanism	III	CR		
38	3/12	Dry corrosion, wet corrosion, principles	III	CR		
39	4/12	Galvanic Series Galvanic Corrosion	III	CR		

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Assessment	Open Review
40	5/12	Concentration cell corrosion mechanism of wet corrosion	III	CR		
41	7/12	Hydrogen Evolution type oxygen absorption type	III	CR		
42	9/12	factors influencing corrosion, control of corrosion	III	CR		
43	10/12	Proper design, uses of pure metal	III	CR		
44	11/12	use of metal alloys, passivity	III	CR		
45	12/12	cathodic protection - sacrificial anode and	III	CR		
46	14/12	improved current modified the environment	III	CR		
47	16/12	use of inhibitors	III	CR		
48	17/12 18/12	Revision class	III	"		
49	23/12	Introduction of crude oil & fuels	IV	CR		
50	24/12	classification of crude oil	IV	CR		
51	26/12	fractional distillation cracking	IV	CR		
52	28/12	Synthetic petrol - polymerization - Refining	IV	CR		
53	30/12	Reforming - knocking Antiknocking agent	IV	CR		
54	31/12	ozone & cetane number	IV	CR		
55	1/1/14	principle & functions of lubricant	IV	CR		
56	2/1/14	Types of lubrication & mechanism	IV	CR		
57	4/1/14	Hydrodynamic lubrication thin film lubrication	IV	CR		
58	6/1/14	extreme pressure lubrication	IV	CR		
59	7/1/14	classification & properties of lubricants	IV	CR		

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No	Teaching Methodology	Remarks	Corrective Action Upon Review
60	8/1/17	viscosity, flash & fire point, cloud and pour point	<u>IV</u>	CR		
61	9/1/17	Aniline point, Acid number and mechanical	<u>IV</u>	CR		
62	17/1	Introduction of Solar energy-harness of solar energy	<u>V</u>	CR		
63	16/1	photo voltaic cells - concentrated solar power plants	<u>V</u>	CR		
64	18/1	Introduction of Green Chemistry	<u>V</u>	CR		
65	20/1	12 Principles of Green Chemistry	<u>V</u>	CR		
66	21/1	Green Synthesis - Engineering Applications	<u>V</u>	CR		
67	22/1	Introduction to nano chemistry & materials	<u>V</u>	CR		
68	23/1	Preparation of nano materials	<u>V</u>	CR		
69	25/1	CNT & fullerenes	<u>V</u>	CR		
70	25/1	Topdown and bottom up concepts	<u>V</u>	CR		
71	26/1	properties of nano materials - Silver and Gold nano particles	<u>V</u>	CR		
		Engineering & Bio medical application	<u>V</u>	CR		
from 27/1/17 to 29/1/17 - Period mid exam						