

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	30/09/13	Polymerisation Reaction	I	CR		
2	02/10/13	Basic Concepts of Polymers.	I	CR		
3	03/10/13	Types of Polymerisation Addition	I	CR		
4	04/10/13	Condensation Polymerisation - differences.	I	CR		
5	05/10/13	Co-Polymerisation - examples.	I	CR		
6	07/10/13	Def. of Plastics - Adv -antages, Disadvantages	I	CR		
7	09/10/13	Def. of Thermoplastics & Thermosetting	I	CR		
8	10/10/13	Differences b/w TP & TSP.	I	CR		
9	11/10/13	Compounding of Plastics	I	CR		
	from 12/10/13 to 16/10/13 Dasara Holidays.					
10	17/10/13	Compounding of plastics	I	CR		
11	18/10/13	Compounding of plastics	I	CR		
12	19/10/13	Moulding of Plastics Compression, Injection	I	CR		
13	21/10/13	Transfer, Extrusion, Blow Technique.	I	CR		
14	23/10/13	Preparation, Properties, uses of PE, PVC.	I	CR		
15	24/10/13	" " " of Teflon, Bakelite,	I	CR		
16	25/10/13	" " " of Nylon, Polyester.	I	CR		
17	26/10/13	Classification of Cement.	I	CR		
18	28/10/13	Raw Materials - Portland cement explanation	I	CR		
19	30/10/13	Manufacturing of Portland Cement.	I	CR		

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
20	31/10/13	Manufacturing of Portland Cement.	I	CR		
21	01/11/13	Chemical Constitution of Portland Cement	I	CR		
22	02/11/13	Setting of Cement	I	CR		
23	04/11/13	Hardening of Cement.	I	CR		
24	06/11/13	Properties and uses of Cements.	I	CR		
25	07/11/13	Revision class - I unit				
26	08/11/13	Revision class - I unit				
27	09/11/13	Revision class - I unit				
	from 11/11/13 to 13/11/13 MID-1 exams. 14/11/13 - Midexam.					
28	15/11/13	Introduction of Hardwater Hardness, Types.	II	CR		
29	16/11/13	Units and interconversion of units. Estimation basis.	II	CR		
30	18/11/13	Estm. by EDTA Method: Problems.	II	CR		
31	20/11/13	Disadvantages of Hardwater.	II	CR		
32	21/11/13	Treatment of water - Various steps.	II	CR		
33	22/11/13	Treatment of water - Various steps.	II	CR		
34	23/11/13	Breakpoint chlorination, Ozonisation, Desalination	II	CR		
35	25/11/13	R.O. Treatment - Advantages.	II	CR		
36	27/11/13	Lime-Soda Process, Zeolite Process.	II	CR		
37	28/11/13	Zeolite Process, Ion-Exchange Process.	II	CR		
38	29/11/13	Revision class of 2nd unit				

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
39	30/11/13	Revision of 2nd unit				
40	02/12/13	Def., Basic examples in Corrosion.	III	CR		
41	04/12/13	Types of Corrosion. Explanation of Dry Corrosion	III	CR		
42	05/12/13	Explanation of Wet Corrosion Galvanic Series.	III	CR		
43	06/12/13	Types of Wet Corrosion Galvanic, Concentration.	III	CR		
44	07/12/13	Conc. Cell Corrosion, Corrosion Mech. of Wet Corrosion	III	CR		
45	09/12/13	H ₂ evolution type and O ₂ absorption type.	III	CR		
46	11/12/13	Factors influencing the rate of Corrosion.	III	CR		
47	12/12/13	Corrosion Controlling Techniques - Design,	III	CR		
48	13/12/13	Use of Pure Metal, Alloys, Passivants, Cathodic Prot'n.	III	CR		
49	16/12/13	Sacrificial Anode, Impressed Current. Modifying the environment. inhibitors.	III	CR		
50	17/12/13	Revision of 3rd unit				
51	18/12/13	Revision of 3rd unit				
	from 19/12/13 to 21/12/13 MID-2 exams.					
52	23/12/13	Introduction, classification, Fractional Distillation.	IV	CR		
53	24/12/13	Cracking - Types. Ex. Fischer-Tropsch.	IV	CR		
54	26/12/13	Bergius Process. Polymerisation - Refining.	IV	CR		
55	27/12/13	Reforming, Knocking, Anti- Knocking, octane & Cetane Nos.	IV	CR		
56	28/12/13	Function of Lubricants - Types Thick, Hydrocracking.	IV	CR		
57	30/12/13	Thin and extreme pressure Classification and properties	IV	CR		

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
58		Jan - 1/14 Holiday.				
58	02/01/14	Vitrocells, Flash & fire, cloud & Power, Aniline Print.	<u>IV</u>	CR		
59	03/01/14	Neutralisation No, Mechanical Strength.	<u>IV</u>	CR		
60	04/01/14	Revision of 4th unit				
61	06/01/14	Revision of 4th unit				
62	08/01/14	Introduction of Solar energy, Hammering. PV Cell.	<u>V</u>	CR		
63	09/01/14	Concentrated Solar Power plants, Green House Concepts	<u>V</u>	CR		
64	10/01/14	Intro. of Green Chemistry. Explanation of 12 Principles	<u>V</u>	CR		
65	11/01/14	Second Saturday.				
65	13/01/14	Explanation of 12 Principles. Green Synthesis, Apph.	<u>V</u>	CR		
66	from 14/01/14 to 16/01/14 Pongal Holidays.					
67	17/01/14	Introduction to Nano Materials - Preparation	<u>V</u>	CR		
68	18/01/14	Preparation of CNTs & Fullerenes.	<u>V</u>	CR		
68	20/01/14	Topdown & Bottom up Concepts. Prop. of Nano Mats.	<u>V</u>	CR		
69	22/01/14	Silver and Gold Nano Particles.	<u>V</u>	CR.		
70	23/01/14	Egg. & Bio Medical Apph.	<u>V</u>	CR		
71	24/01/14	Revision of 5th unit				
72	25/01/14	Revision of 5th unit				

62
4/11/13