

S.No	Topic	Proposed Date				
	Unit – 1					
1	Introduction	1/3/2024				
2	Softandhardwater	2/3/2024				
3	Estimation ofhardnessof	4/3/2024				
3	waterbyEDTA Method	4/3/2024				
4	Estimation of dissolved	5/3/2024				
4	Oxygen	3/3/2024				
5	Boilertroubles-Priming,foami	6/3/2024				
3	ng,scaleand sludge	0/3/2024				
6	Caustic embrittlement,	7/3/2024				
7	Industrialwatertreatment	9/3/2024				
8	Specificationsfordrinking	11/3/2024				
0	water	11/3/2024				
	BureauofIndianStandards(BIS					
9)andWorldhealth organization	12/3/2024				
	(WHO) standards	12/3/2024				
10	Ion-exchangeprocesses -	13/3/24				
11	desalinationofbrackish water	15/3/24				
12	ReverseOsmosis,andelectrodial	16/3/24				
	ysis.	33.3.2.				
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13	Electrodes-electrochemicalce	18/3/24				
	11					
14	Nernstequation, cellpotentialc	19/3/24				
	alculations					
15	Primarycells –Zinc-air battery	20/3/24				
	C 1 - NI - 1 - 1					
	Secondarycells–Nickel-					
16	Cadmium(NiCad) battery	22/3/24				
10	working principle of the	22/3/24				
	batteries including cell					
	reactions lithium ion					
17		23/3/24				
1 /	batteryworkingprincipleofthe batteries	23/3/24				
18	includingcellreactions	25/3/24				
10	Fuelcells-	2313124				
	BasicConcepts,theprinciplean					
19	dworking of hydrogen-oxygen	26/3/24				
	Fuel cell.					
	Corrosion:Introductionto					
20	corrosion	27/3/24				
	COLLOSION					

	Electrochemicaltheoryof	
21	corrosion	29/3/24
	Differentialaerationcellcorros	
22	ion,galvaniccorrosion	30/3/24
	Metaloxideformationbydryele	
23	ctrochemicalcorrosion	1/4/2024
	PillingBedworthratios	
24	anduses	5/4/2024
	UNIT-3	
25	Introductionto polymers	6/4/2024
26	Functionalityofmonomers	19/4/24
	Mechanismofchain growth,	
27	stepgrowth polymerization.	24/4/24
	Thermoplastics and Thermo-	
28	setting plastics	22/4/24
	Preparation, properties and appli	
29	cationsofpolystyrene.PVC	23/4/24
2)	Nylon 6,6	23/ 1/2 1
	Preparation, properties and appli	
30	cationsofBakelite	26/4/24
	Elastomers-	
31	propertiesandapplicationsofBu	27/4/24
31	naS,BunaN, Thiokol rubbers	27, 1,21
32	Fuels-Typesof	29/4/24
	Numericalproblemsbasedoncal	
33	orificvalue	30/4/24
	Analysisof	
34	coal(ProximateandUltimate	1/5/2024
51	analysis),	1,0,202.
	LiquidFuels,refiningof	
35	petroleum,	3/5/2024
36	OctaneandCetanenumber	3/5/2024
	Alternative fuels- propane,	0.0.20
37	methanol, ethanol and bio fuel-	4/5/2024
	bio diesel.	
38	Test	4/5/2024
	Unit -4	-
39	Introduction	6/5/2024
	Introduction to polymers,	9/5/2024
40	functionality of monomers	8/5/2024
	Composites-	
41	Definition, Constituents, Classifi	9/5/2024
	cation	

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42	Particle, Fiber and Structural reinforced composites, properties and Engineering applications	11/5/2024				
43	Refractories- Classification, Properties, Fact ors	13/5/24				
44	affectingtherefractorymaterial sand Applications	15/5/24				
45	Lubricants- Classification,Functionsof lubricants, Mechanism	18/5/24				
46	Properties of lubricating oils -Viscosity, Viscosity Index, Flashpoint, Firepoint, Cloudpoint, saponification and Applications.	20/5/24				
47	Buildingmaterials-Portland Cement	21/5/24				
48	PortlandCement,constituents	22/5/24				
49	Settingand	24/5/24				
50	Revision Class	27/5/2024				
	Unit-5					
51	Introductiontosurface chemistry,	22/12/23				
52	Colloids,micelleformation,synthes isofcolloids (Braggs Method),	23/12/23				
53	Nanometals and Nanometal Oxides	27/12/23				
54	Chemicalandbiologicalmethodsof preparation of nanometals	28/12/23				
55	Stabilization of colloids materials by stabilizing agents,	29/12/23				
56	Stabilization of nano materials by stabilizing agents,	30/12/23				
57	Adsorption isotherm (Freundlichand Longmuir)	3/1/2024				
58	BETequation(noderivation)	4/1/2024				
59	Chemicalandbiologicalmethodsof preparation of Metal oxides	5/1/2024				
60	Applications of colloids	6/1/2024				
61	Applications of nanomaterials—catalysis, medicine, sensors,etc.	10/1/2024				

62	Revision Class	11/1/2024
63	Test	12/1/2024