CHEMISTRY STUDY PLAN (4 PM TO 5:30 PM)

Lectures	LEC-NAME	TOPIC	DATE	DAY
1	introduction		1-Mar	
2	unit cell , density, no. of atom calculation		2-Mar	WEDNESDAY
3	voids, location of void,		3-Mar	THURSDAY
4	defects, braggs law		7-Mar	MONDAY
5	question practice	SOLID STATE	8-Mar	TUESDAY
6	Intro, henry law		9-Mar	WEDNESDAY
7	raoult law		10-Mar	THURSDAY
8	deviation from raoult law, colligative property		14-Mar	MONDAY
9	colligative property		15-Mar	TUESDAY
10	vanthoff factor, numerical		16-Mar	WEDNESDAY
11	numerical		17-Mar	THURSDAY
12	question practice	SOLUTION	21-Mar	MONDAY
13	equation		22-Mar	TUESDAY
14	product of electrolysis		23-Mar	WEDNESDAY
15	conductance, ostwald law, kohlrausch law		24-Mar	THURSDAY
16	faraday laws		28-Mar	MONDAY
17	concentration cell and type of cell		29-Mar	TUESDAY
18	titration and numerical practice	ELECTROCHEMISTRY	30-Mar	WEDNESDAY
19	Differential rate equation, rate law, order, molecularity		31-Mar	THURSDAY
20	order of reaction		4-Apr	MONDAY
21	graphs		5-Apr	TUESDAY
22	maxwell curve, arrhenious equation		6-Apr	WEDNESDAY
23	parallel, consecutive reaction		7-Apr	THURSDAY
24	ssa	CHEMICAL	11-Apr	MONDAY
25	Numerical practice	KINETICS	12-Apr	TUESDAY
21	intro, physiosorption chemosorption, thermodynamics of adsorption		13-Apr	WEDNESDAY

22	freundluich adsorption isotherm, langmuir adsorption isotherm		14-Apr	THURSDAY
23	catalysis, colloids		18-Apr	MONDAY
25	type of colloid, purification of colloid, properties of colloid		19-Apr	TUESDAY
26	application of colloid emulsion	surface chemistry	20-Apr	WEDNESDAY
27	INTRODUCTION		21-Apr	THURSDAY
28	mendleev periodic table		25-Apr	MONDAY
29	modern periodic table, size, ionisation enthalpy		26-Apr	TUESDAY
30	electron gain enthalpy, electronegativity, mettalic and non mettalic character	PERIODIC	27-Apr	WEDNESDAY
31	chemical reactivity, anomalous behaviour	PROPERTIES (part-6)	28-Apr	THURSDAY
32	INTRODUCTION, types of bonding, lewis dot structure		2-May	MONDAY
33	bond parameters, vsepr theory, bond angle and bond length comparison		4-May	WEDNESDAY
34	vsepr continued		5-May	THURSDAY
35	vbt and hybridisation		9-May	MONDAY
36	isomorphism, hydration enthalpy, solublity, hydrolysis, hydrogen bonding	CHEMICAL	10-May	TUESDAY
37	question practice	BONDING	11-May	WEDNESDAY
38	Alkali metal-01		12-May	THURSDAY
39	alkali metal-02		16-May	MONDAY
40	alkaline earth metal-01		17-May	TUESDAY
41	alkaline earth metal-02	S-BLOCK	18-May	WEDNESDAY
42	Boron family		19-May	THURSDAY
43	boron family		23-May	MONDAY
44	carbon family		24-May	TUESDAY

45	Carbon family	P-BLOCK- 01	25-May	WEDNESDAY
46	nitrogen family		26-May	THURSDAY
46	nitrogen family		30-May	MONDAY
46	nitrogen family		31-May	TUESDAY
46	nitrogen family		1-Jun	WEDNESDAY
46	oxygen family		2-Jun	THURSDAY
46	oxygen family		6-Jun	MONDAY
46	oxygen family		7-Jun	TUESDAY
46	halogen family		8-Jun	WEDNESDAY
46	halogen family		9-Jun	THURSDAY
46	noble gas family	P-BLOCK-	13-Jun	MONDAY
46	noble gas family	02	14-Jun	TUESDAY
47	some important terms of organic		15-Jun	WEDNESDAY
48	nomenclature		16-Jun	THURSDAY
49	nomenclature		20-Jun	MONDAY
50	nomenclature		21-Jun	TUESDAY
51	resonance		22-Jun	WEDNESDAY
52	resonance, tautomerism,%enol		23-Jun	THURSDAY
53	inductive effect,hyperconjugation, electromeric effect		27-Jun	MONDAY
54	baeyer strain theory, bredt angle, steric hindrance,		28-Jun	TUESDAY
55	dipole moment, stability of alkenes, heat of hydrogenation, bond length		29-Jun	WEDNESDAY
56	types of intermediates, stability,rearrangement, acidic strength,basic strength	ORGANIC CHEMISTRY (part 7)	30-Jun	THURSDAY
57	Structural isomerism		4-Jul	MONDAY
58	stereoisomerism		5-Jul	TUESDAY
59	stereoisomerism	ISOMERISM	6-Jul	WEDNESDAY
60	Alkanes m.o.p, physical properties		7-Jul	THURSDAY
61	alkanes chemical properties		11-Jul	MONDAY

62	alkenes m.o.p, physical propeerties		12-Jul	TUESDAY
63	chemical properties alkene		13-Jul	WEDNESDAY
64	alkyne, benzene	HYDROCARBON	14-Jul	THURSDAY
65	INTRO, M.O.P		18-Jul	MONDAY
66	PHYSICAL PROPERTIES, CHEMICAL PROPERTIES		19-Jul	TUESDAY
67	CHEMICAL PROPERTIES		20-Jul	WEDNESDAY
68	haloarene	HALOALKANE	21-Jul	THURSDAY
69	question practice	HALOARENE	25-Jul	MONDAY
70	INTRO, M.O.P, physical properties		26-Jul	TUESDAY
71	chemical properties	ALCOHOL,	27-Jul	WEDNESDAY
72	phenols	PHENOL AND	28-Jul	THURSDAY
73	question practice	ETHERS	1-Aug	MONDAY
74	INTRO, M.O.P Of aldehyde and ketone		2-Aug	TUESDAY
75	m.o.p of aldehyde, m.o.p of ketone	ALDEHYDE AND KETONE	3-Aug	WEDNESDAY
76	chemical properties of aldehyde and ketone		4-Aug	THURSDAY
77	aromatic aldehyde and ketone		8-Aug	MONDAY
78	questions		9-Aug	TUESDAY
79	PROPERTIES, MOP, Physical properties and chemical properties		10-Aug	WEDNESDAY
80	questions	CARBOXYLIC ACID	16-Aug	TUESDAY
81	INTRO, m.o.p		17-Aug	WEDNESDAY
82	basicity		18-Aug	THURSDAY
83	physical properties, chemical properties		22-Aug	MONDAY
84	diazonium salt, aniline		23-Aug	TUESDAY
85	questions		24-Aug	WEDNESDAY
86	practice questions		25-Aug	THURSDAY
87	practice questions		29-Aug	MONDAY
88	practice questions	AMINE	30-Aug	TUESDAY
89	INTRODUCTION		31-Aug	WEDNESDAY
90	physical properties size, ionisation enthalpy, oxidation state, oxidising and reducing property		1-Sep	THURSDAY

91	properties alloy formation, catalytic property, interstitial compound magnetic property , colour		5-Sep	MONDAY
92	KMnO4, K2Cr2O7		6-Sep	TUESDAY
93	f block and questions		7-Sep	WEDNESDAY
94	F BLOCK	d and f BLOCK	8-Sep	THURSDAY
95	question practice	(part 8)	12-Sep	MONDAY
96	INTRO, werner theory		13-Sep	TUESDAY
97	nomenclature, LiGands		14-Sep	WEDNESDAY
98	vbt		15-Sep	THURSDAY
99	cft, Isomerism		19-Sep	MONDAY
100	thermodynamics of coordination compound, synergic bonding, application	CO-ORDINATION	20-Sep	TUESDAY
101	questions and colour	COMPOUND	21-Sep	WEDNESDAY
102	Chemistry in everyday life intro		22-Sep	THURSDAY
103	types of drugs-1	CHEMISTRY IN	26-Sep	MONDAY
104	types of drugs-2	EVERYDAY LIFE	27-Sep	TUESDAY
105	question	(part 10)	28-Sep	WEDNESDAY
100	INTRO, CARBOHYDRATES		29-Sep	THURSDAY
101	carbohydrates, vitamins		3-Oct	MONDAY
102	proteins, amino acid, nucleic acid	BIOMOLECULES	4-Oct	TUESDAY
	questioon practice	(part 12)	6-Oct	THURSDAY
103			10-Oct	MONDAY
104	polymers-01		11-Oct	TUESDAY
105	polymers-02		12-Oct	WEDNESDAY
106	polymers-03	POLYMERS (part	13-Oct	THURSDAY
107	question practice	13)	17-Oct	MONDAY
108	Types of reaction, OXIDATION NO.		18-Oct	TUESDAY
109	concept of equivalent		19-Oct	WEDNESDAY
110	balancing		20-Oct	THURSDAY
111	balancing		27-Oct	THURSDAY
112	iodometric and iodimetric, double titration, back titration		31-Oct	MONDAY

113	hardness of water, oleum volume, strength	REDOX REACTION (part-14)	1-Nov	TUESDAY
114	gas Laws		2-Nov	WEDNESDAY
115	barometer, manometer, dalton's law		3-Nov	THURSDAY
116	graham's law of diffusion, pay load capacity		7-Nov	MONDAY
117	problem practice, kinetic theory of gases,maxwell curve		8-Nov	TUESDAY
118	collision frequency and mean free path		9-Nov	WEDNESDAY
119	real gas , vanderwaal eqn, compressiblity factor		10-Nov	THURSDAY
120	boyle temp, virial equation of state,		14-Nov	MONDAY
121	liquifaction of gases, critical constants		15-Nov	TUESDAY
122	question practice	STATES OF	16-Nov	WEDNESDAY
123	question practice	MATTER (part 15)	17-Nov	THURSDAY
124	important terms used heat , work and internal energy, f.l.o.t		21-Nov	MONDAY
125	enthalpy, heat capacity, isothermal process		22-Nov	TUESDAY
126	question practice		23-Nov	WEDNESDAY
127	question practice		24-Nov	THURSDAY
128	adiabatic process and other process, entropy, s.l.o.t		28-Nov	MONDAY
129	t.l.o.t, gibb's free energy, equilibrium		29-Nov	TUESDAY
130	carnot engine, refrigerator		30-Nov	WEDNESDAY
131	question practice	THERMODYNAMI	1-Dec	THURSDAY
132	question practice	CS (part 16)	5-Dec	MONDAY
133	Introduction		6-Dec	TUESDAY
134	HESS LASS, BORN HABER CYCLE PROBLEM PRACTICE	THERMOCHEMIST	7-Dec	WEDNESDAY
135	numerical practice	RY	8-Dec	THURSDAY

136	environmental chemistry 01	ENVIROMENTAL CHEMISTRY (part 17)	12-Dec	MONDAY
131	environmental chemistry 02		13-Dec	TUESDAY
132	HYDROGEN 01	HYDROGEN (part 18)	14-Dec	WEDNESDAY
133	hydrogen 02		15-Dec	THURSDAY
134	hydrogen 03		19-Dec	MONDAY
135	questions		20-Dec	TUESDAY
136	intro	SOME BASIC CONCEPT OF CHEMISTRY (part 19)	21-Dec	WEDNESDAY
137	Emperical formula and stoichiometry		22-Dec	THURSDAY
138	vapor density, limiting reagent		26-Dec	MONDAY
139	poac, apps of mole concept		27-Dec	TUESDAY
140	mixing of solutions		28-Dec	WEDNESDAY
141	QUESTION PRACTICE		29-Dec	THURSDAY
142	introduction	ATOMIC STRUCTURE (part 20)	2-Jan	MONDAY
143	rutherford theory isotopes, isotones, isoelectronic, isodiapheres, isosters		3-Jan	TUESDAY
144	towards quantum model		4-Jan	WEDNESDAY
145	bohr theory		5-Jan	THURSDAY
146	quantum model of atom		9-Jan	MONDAY
147	quantum model of atom		10-Jan	TUESDAY
148	QUESTION PRACTICE		11-Jan	WEDNESDAY
149	QUESTION PRACTICE		12-Jan	THURSDAY
150	Introduction, homogeneous and heterogeneous equilibrium	CHEMICAL EUILIBRIUM (part-21)	16-Jan	MONDAY
151	law of chemical equilibrium and its proPerties and application		17-Jan	TUESDAY
152	Vapour density, degree of dissociation, simultaneous equilibrium		18-Jan	WEDNESDAY
153	question practice		19-Jan	THURSDAY
154	question practice		23-Jan	MONDAY

155	Introduction, ionisation, acid base	IONIC EQUILIBRIUM	24-Jan	TUESDAY
156	pH calculation, IONIC PRODUCT, KA,KB, ph of mixtures		25-Jan	WEDNESDAY
157			30-Jan	MONDAY
158	pH calculation, solublity		31-Jan	TUESDAY
159	salt Hydrolysis		1-Feb	WEDNESDAY
160	buffer solution		2-Feb	THURSDAY
161	titration		6-Feb	MONDAY
162	theory of indicators,numerical practice		7-Feb	TUESDAY
163	numerical practice		8-Feb	WEDNESDAY
164	numerical practice		9-Feb	THURSDAY
165	all named reaction in one shot	organic revision (part-22)	10-Feb	MONDAY
166	all named reaction in one shot			
167	distinguish shot in one shot			
168	aromatic conversion in one shot			
169	all reaction in one shot			
170	all reactions in one shot