



Sri Chaitanya IIT Academy, India

A.P, TELANGANA, KARNATAKA, TAMILNADU, MAHARASHTRA, DELHI, RANCHI

A right Choice for the Real Aspirant

ICON CENTRAL OFFICE, MADHAPUR-HYD

Sec: Sr. IPLCO

Time: 9:00 AM to 12:00 Noon

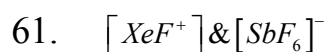
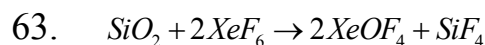
RPTM-10

Date: 31-10-15

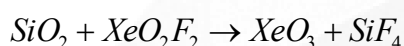
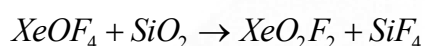
Max.Marks: 360

KEY SHEET

MATHS		PHYSICS		CHEMISTRY	
Q.NO	ANSWER	Q.NO	ANSWER	Q.NO	ANSWER
1	3	31	1	61	1
2	3	32	3	62	1
3	4	33	4	63	3
4	1	34	3	64	2
5	4	35	1	65	2
6	4	36	3	66	3
7	4	37	4	67	2
8	1	38	3	68	3
9	1	39	1	69	3
10	4	40	2	70	3
11	4	41	2	71	2
12	1	42	3	72	3
13	2	43	2	73	2
14	2	44	2	74	3
15	2	45	1	75	3
16	3	46	2	76	3
17	4	47	4	77	2
18	1	48	2	78	2
19	4	49	1	79	2
20	1	50	4	80	4
21	3	51	3	81	1
22	2	52	3	82	2
23	2	53	1	83	4
24	3	54	1	84	4
25	1	55	2	85	3
26	3	56	3	86	1
27	3	57	2	87	4
28	4	58	2	88	2
29	4	59	2	89	2
30	3	60	2	90	3

CHEMISTRY62. AIEEE-2009-The reaction (a) is not feasible because XeF_6 formed at once reacts with water producing again the reactant.

Depending on conditions the reaction can further go forward and finally forms XeO_3



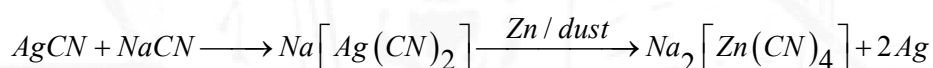
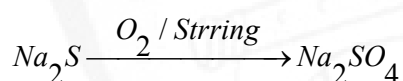
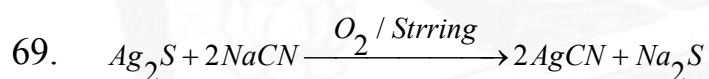
64. He bp is 4.2 k due to weak dispersion forces. NCERT book and std. data

65. Extraction of Zinc Text book

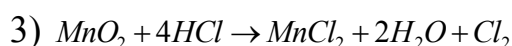
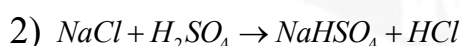
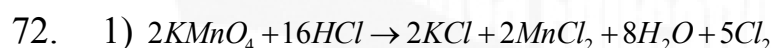
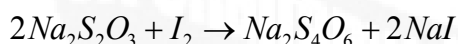
66. Haematite is Fe_2O_3 is magnetic; cassiterite (SnO_2) ore is non magnetic and impurities $FeWO_4$ / $MnWO_4$ are magnetic.

67. Factual information (NCERT, Page No.156)

68. Factual information (NCERT, Page No.156)



70. Factual information (NCERT)



73. Factual information (NCERT, Page No.202)

74. $6NaOH + 3Cl_2 \rightarrow 5NaCl + NaClO_3 + 3H_2O$
75. (Excess) $2NH_3 + 3Cl_2 \rightarrow N_2 + 6HCl$
 $NH_3 + HCl \rightarrow NH_4Cl$
76. $HF > \underbrace{HI > HBr > HCl}$ dipole –dipole attraction (vanderwaal's forces)
 (Hydrogen bonding)
77. $H_2O + Cl_2 \rightarrow HCl + HOCl$
 $HOCl \rightarrow HCl + (O)$
 Coloured + (O) → Color less
78. Antichlor is a compound which removes Cl_2 from a material
79. $4AgClO_3 + 3Cl_2 \rightarrow 4AgCl + ClO_2$ One of the methods of preparation of ClO_2
80. Factual information (NCERT, Page No.160)
81. Factual information (NCERT, Page No.162)
82. IBr_2^- is linear like XeF_2 and BrO_3^- is pyramidal like XeO_3 .
83. Malachite is $Cu(OH)_2.CuCO_3$ magnetite is Fe_3O_4 , Horn silver is $AgCl$, zinc blende is ZnS .
84. Factual information (NCERT, Page No.156)
85. Weak $X-X'$ bond NCERT Page No. 201
86. Prop of bleaching powder text book inf. $CaOCl_2 + CO_2 \rightarrow CaCO_3 + Cl_2$
87. 2004 AIEEE Question
88. Factual information (NCERT, Page No.205)
89. Text book information – Metallurgy of tin and lead.
90. 2005 – AIEEE Question