



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-2

Date: 08-08-15

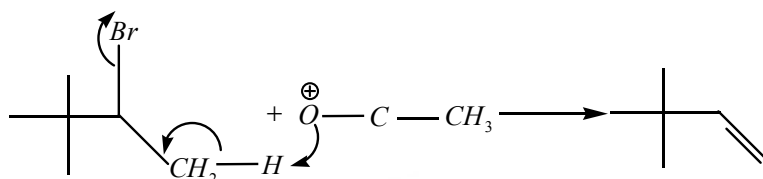
Max.Marks: 360

KEY SHEET

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

CHEMISTRY

31. 2-bromo-2-methylbutane reacts from less hindered side.



32. Hydroboration followed by oxidation results in the addition of 1 molecule of H_2O

In hydroboration-oxidation

anti-Markovnikov product is formed

Syn addition

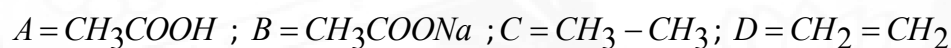
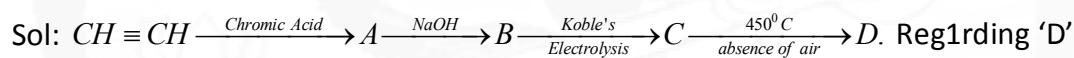
33. Conceptual

34. Conceptual

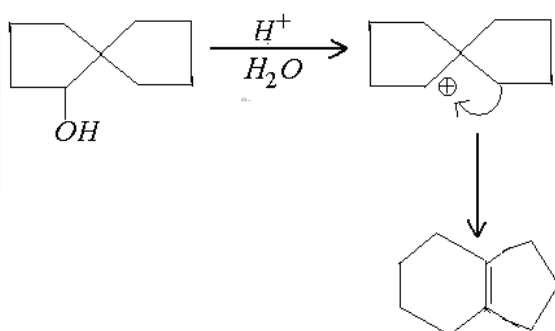
35. Syn Elimination

36. Ring strain relieved

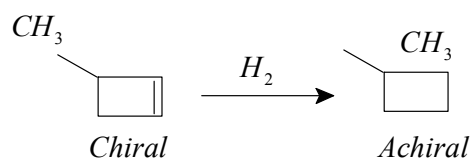
- 37.



- 38.



- 39.



40. Conceptual
41. Cyclic bromonium is the intermediate
42. Open chain cyclization
43. Syn addition
44. Anti addition
45. Syn addition followed by ring open with water
46. Conceptual
47. Anti elimination
48. Conceptual
49. Syn addition of $\text{CH}_2=\text{CH}_2$ on trans alkene
50. Conceptual
51. Syn addition
52. Conceptual
53. Conceptual
54. Conceptual
55. Allylic bromination
56. Syn hydroxylation
57. Conceptual
58. Conceptual
59. Conceptual
60. Conceptual