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 **JEE–ADVANCE** **Date: 16-08-15**
Time: 3 Hours **2012-P2-Model** **Max Marks: 198**

KEY & SOLUTIONS

PHYSICS

1	**A**	2	**D**	3	**D**	4	**C**	5	**A**	6	**D**
7	**D**	8	**C**	9	**A**	10	**C**	11	**A**	12	**A**
13	**B**	14	**C**	15	**AC**	16	**ACD**	17	**BC**	18	**AB**
19	**CD**	20	**CD**								

CHEMISTRY

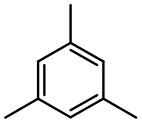
21	**B**	22	**A**	23	**C**	24	**A**	25	**A**	26	**B**
27	**D**	28	**B**	29	**B**	30	**C**	31	**A**	32	**C**
33	**B**	34	**C**	35	**CD**	36	**ACD**	37	**ABCD**	38	**ABC**
39	**BC**	40	**AC**								

MATHS

41	**D**	42	**D**	43	**C**	44	**B**	45	**A**	46	**A**
47	**C**	48	**D**	49	**D**	50	**C**	51	**A**	52	**D**
53	**A**	54	**C**	55	**BCD**	56	**AC**	57	**ABC**	58	**BD**
59	**BC**	60	**ABD**								

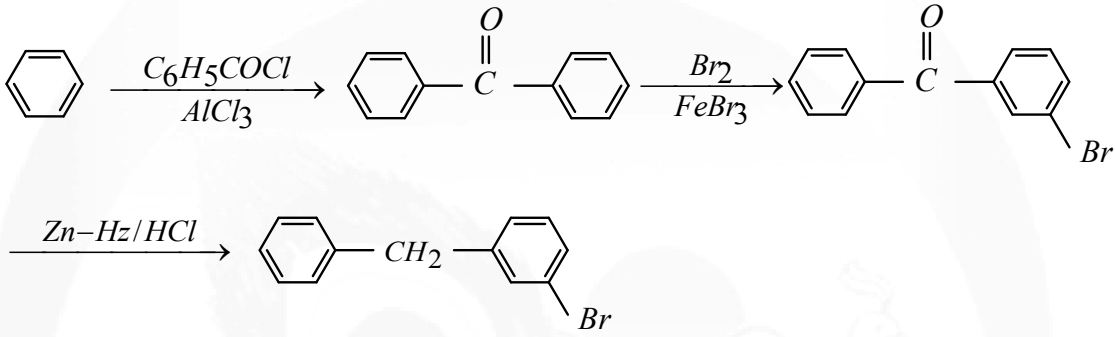
CHEMISTRY

21.


, all available position of electrophile attack are idenitcal

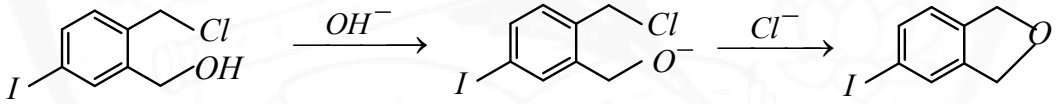
22. Electron with drawing groups increases reactivity towards Nucleophile

23.



24. Intermolecular nucleophilic substitution

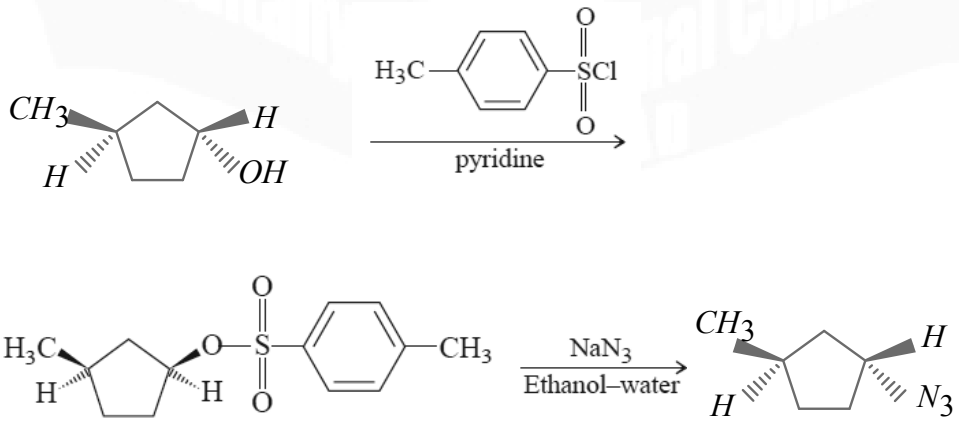
25.



26. S_N2: Inverted product

27. S_N2 : reactivity is more with good leaving group

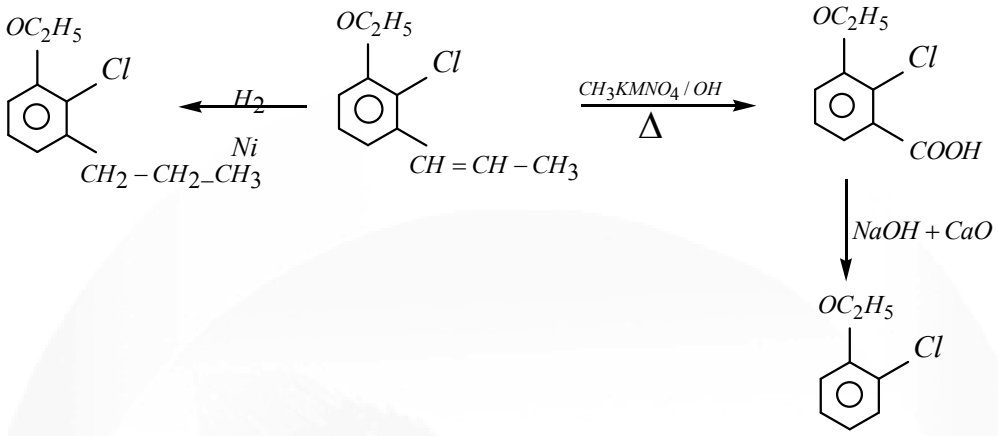
28.



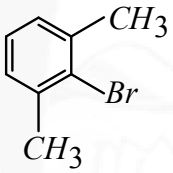
29, 30

Orientation effects

31, 32.

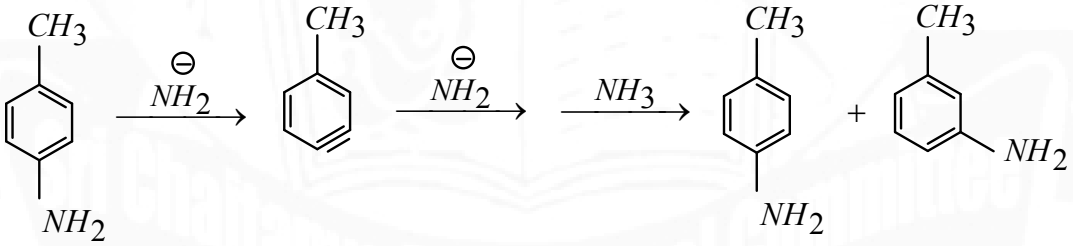


33.



No hydrogens on adjacent carbons to one which is bonded to halogen. So elimination –addition mechanism is not possible.

34.

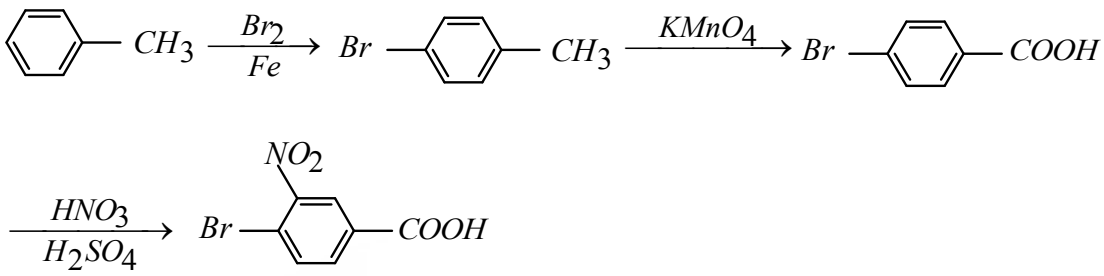


35. $-N=O \rightarrow$ Deactivating, O/P-directing.

36.

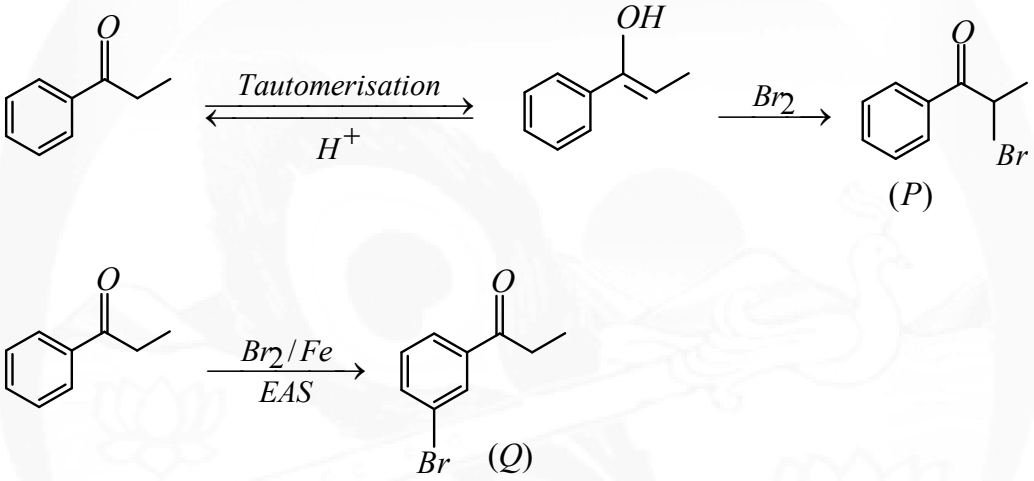
Aromatic Non-Aromatic

37.



38. $-OH$ is converted into good leaving group by converting into phosphate, esrers.

39.



40.