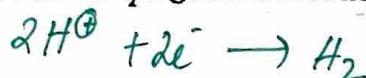


**How to get 80+ in Assam State School Education Board (ASSEB)
2024-25 II PATTERN CLASSES II 9864089106**

1. Why does the molality of a solution remain unchanged with temperature?

Molality = $\frac{\text{mole of solute}}{\text{solvent in kg}}$; molar mass is unchanged with Temp.

2. How much H₂ in grams will be liberated if 1F electricity is passed through acidified water?

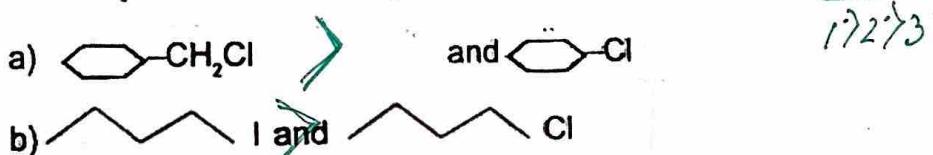


$$2\text{ mol } e^- = 2F \rightarrow 1 \text{ mol } H_2 \\ \rightarrow 1F \rightarrow \frac{1}{2} \text{ mol } H_2 \rightarrow \frac{1}{2} \times 2 > 1 \text{ g}$$

3. What are Ambidentate Ligands? Give one suitable example of Ambidentate ligand.

Two sites of attachment to the central atom, M_2^{+} , SCN^-

4. In the following pair of halogen compounds, which would undergo S_N2 reaction faster?



5. Arrange the following in increasing order of PK_a values.



6. What is the basic structural difference between starch and cellulose?

Starch \rightarrow branched polymer

Cellulose \rightarrow linear polymer

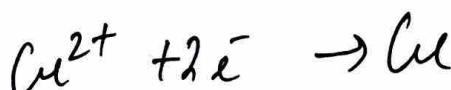
7. pK_b of Aniline is more than that of methylamine. Why?

CH_3NH_2 is more basic than aniline $pK_b \propto \frac{1}{K_b}$

8. Give reason for the higher boiling point of ethanol in comparison to methoxymethane.

intermolecular H bonding

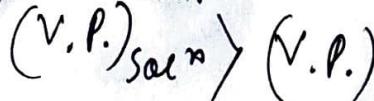
9. State Faraday's first law of electrolysis. How much charge in terms of Faraday is required for the reduction of 1 mole of Cu^{2+} to Cu?



$$2\text{ mol } e^- = 2F \text{ charge.}$$

What is meant by positive deviations from Raoult's law? How is the sign of $\Delta_{\text{mix}} H$ related to positive deviations from Raoult's law?

2



Raoult's Law

$$\Delta H_{\text{mix}} = +ve$$

11. A first order reaction takes 40 minutes for 20% decomposition. Calculate its half life period.

$$K = \frac{2.303}{t} \log \frac{100}{80} = 0.055847 \quad | \quad T_{1/2} = \frac{0.693}{K} = 12.38 \text{ min}$$

Establish the relation for a first order reaction.

$$K = \frac{2.303}{t} \log \frac{[R]_0}{[R]}$$

1st order kinetics
definition

$$-\frac{d[R]}{dt} = K[R]$$

12. Explain why $[\text{Ti}(\text{H}_2\text{O})_6]^{3+}$ is violet in colour.

(H_2O) is a weak L, High spin Complex

$\text{Ti}^{(22)} = [\text{Ar}] 3d^1 4s^2$ / e^- 's absorbs photons from yellow light & emits its contemporary colour violet

Out of Cu^+ and Cu^{2+} , which ion is more stable in aqueous solution and why?

Cu^{2+} is more stable in aqueous medium due to high value of hydration enthalpy which compensates

13. Write the IUPAC name of the following complexes (any two) for high 2nd IE. of Cu.

তলব জটিল যোগবোব ইউপার্স নাম লিখা (যিকোনো দুটা)

i) $[\text{Pt}(\text{NH}_3)_2\text{Cl}(\text{NO}_2)]$ diammine chloride nitro-N platinum (II)
 ii) $\text{K}_3[\text{Fe}(\text{C}_2\text{O}_4)_3]$ potassium trioxalatoferate (III)
 iii) $[\text{Pt}(\text{NH}_3)_2\text{Cl}(\text{NH}_2\text{CH}_3)]\text{Cl}$ diammine chloride methylamine platinum (II) chloride

14. Draw the facial and meridional isomer of the following complex compound. $[\text{Co}(\text{NO}_2)_3(\text{NH}_3)_3]$

please check the solved PDF @ pattern classes
9864089106

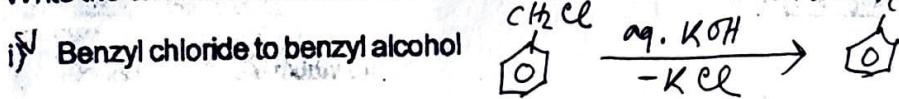
15. Out of the following two coordination entities which is chiral (optically active)? Explain.

a) Cis- $[\text{CrCl}_2(\text{ox})_2]^{3-}$ and → @ is non superimposable mirror images

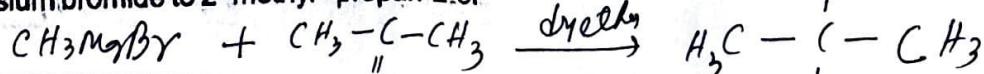
b) Trans- $[\text{CrCl}_2(\text{ox})_2]^{3-}$

optically
active

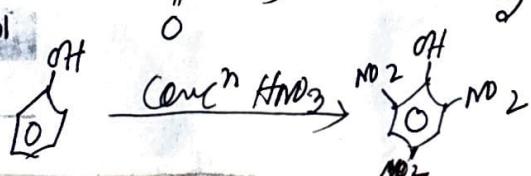
15. Write the chemical reactions for the following transformations (any two)



ii) Methyl magnesium bromide to 2-methyl-propan-2-ol

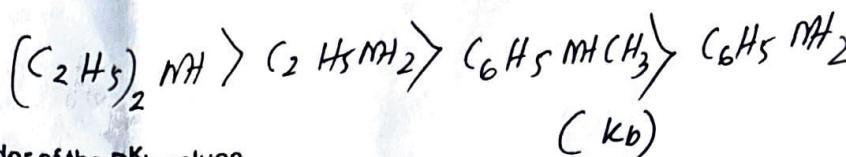


iii) Phenol to 2,4,6-trinitrophenol

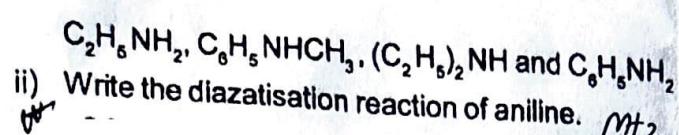


Ethanol
Propanal

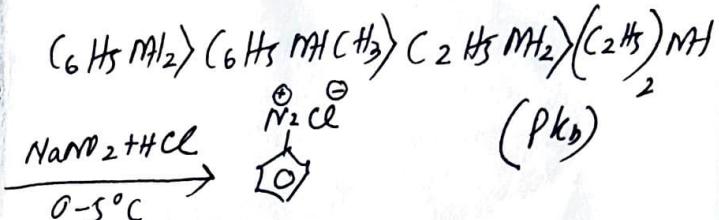
16. Answer any two of the following :-



- i) Arrange the following in decreasing order of the K_b values.

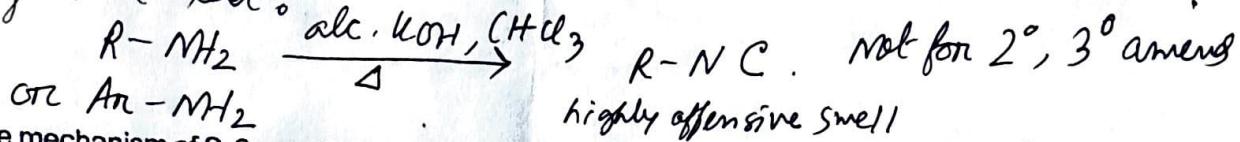


ii) Write the diazotisation reaction of aniline.

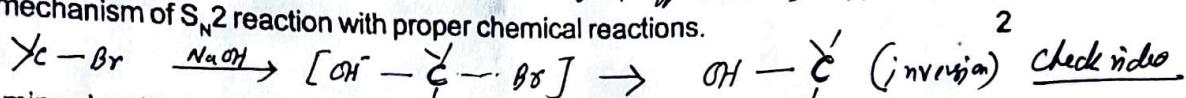


- iii) Give a chemical test for Primary amines.

Carbylanine test:



17. Discuss the mechanism of S_N2 reaction with proper chemical reactions.



18. How are vitamins classified? Name the vitamin responsible for the coagulation at blood.

FAT SOLUBLE & WATER SOLUBLE

vit K

19. Urea (NH_2CONH_2) forms an ideal solution in water. Determine the vapour pressure of an aqueous solution containing 10% by mass of urea at 40°C . (Vapour pressure of water at 40°C is 55.3 mmHg)

$$\frac{P_0 - P}{P_0} = \chi_A$$

$$\frac{55.3 - P}{55.3} = \frac{10/60}{10/60 + 90/18} \Rightarrow P = 53.52 \text{ mm of Hg}$$

20. Write the Nernst equation and emf of the following cells at 298K (any two)

$$E_{\text{cell}} = E_{\text{cell}}^{\circ} - \frac{0.0591}{2} \log \frac{[\text{Mg}^{2+}]}{[\text{Cu}^{2+}]}$$

i) $Mg(s) | Mg^{2+}(0.001 \text{ M}) || Cu^{2+}(0.0001 \text{ M}) / Cu(s)$

$$E_{\text{cell}} = E_{\text{cell}}^{\circ} - \frac{0.0591}{2} \log \frac{[\text{Sn}^{2+}]}{[\text{H}^+]}$$

iii) $Fe(s) | Fe^{2+}(0.001 \text{ M}) || H^+(1 \text{ M}) | H_2(g)(1 \text{ bar}) | Pt(s)$

$$E_{\text{cell}} = E_{\text{cell}}^{\circ} - \frac{0.0591}{2} \log \frac{[\text{Fe}^{2+}]}{[\text{H}^+]}$$

21. The time required for 10% completion of a first order reaction at 298 K is equal to that required for

25% completion at 308 K. Calculate Ea.

$$\frac{2.303}{K_1} \log \frac{100}{90} = \frac{2.303}{K_2} \log \frac{100}{75}$$

$$\Rightarrow \frac{K_2}{K_1} = 2.717 \quad \eta \log \frac{K_2}{K_1} = 0.927$$

$$\log \frac{k_2}{k_1} = \frac{E_a}{19.15} \left(\frac{1}{298} - \frac{1}{308} \right)$$

$$\eta E_a = 85.5 \text{ J}$$

22. Answer the following questions : (Either (a) and (b) or only (c))

a) What is the general electronic configuration of transition elements. Write two characteristics of transition elements.

$$(n-1)d^{1-10} n s^{1-2}$$

① variable oxidation state

② Coloured compounds

b) After having completely filled d orbitals ($4d^{10}$) in Silver atom in its ground state, how can you say that Silver is a transition element.

Compounds like AgO^- , AgF_2

Ag shows (+2) oxidation state

Ag in (+2) O.S., its configuration will be $3d^9$, due to this
 ① unpaired electron, Ag is a Transition element

What is Lanthanoid contraction? What are the consequences of lanthanoid contraction?

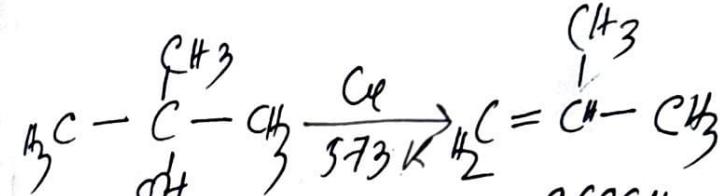
Decrease in ionic/atomic radii of the elements of lanthanoid series in left to right.

Lanthanoid series is left to right. Difficult to separate lanthanoid due to similar size
solution of $\text{[M}(\text{L})_3\text{Cl}_6]^{2-}$ is colourless? What is the

23. Why a solution of $[\text{Ni}(\text{H}_2\text{O})_6]^{2+}$ is green while a solution of $[\text{Ni}(\text{CN})_4]^{2-}$ is colourless? What is the primary valency at Ni in $[\text{Ni}(\text{CO})_4]$. 2+1=3

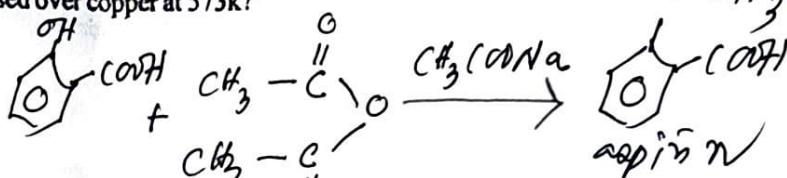
$$2+1=3$$

24. Answer the following questions : [Either (a) and (b) or only (c)]



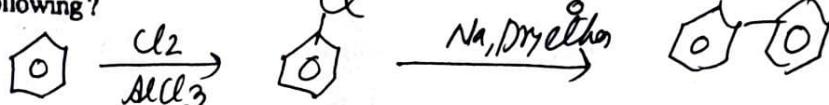
a) What will happen when vapour of 3° alcohol passed over copper at 573K ?

b) How to get synthesize aspirin from salicylic acid?



c) How will you convert the following?

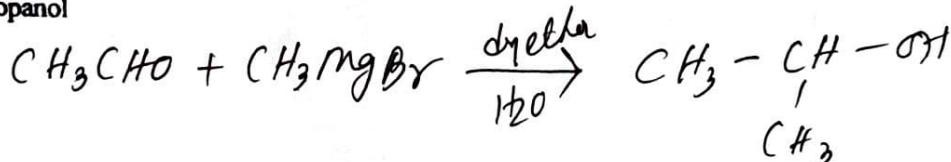
i) Benzene to biphenyl



i) Nitrobenzene to aniline



iii) Acetaldehyde to isopropanol



25. Explain why (any two)

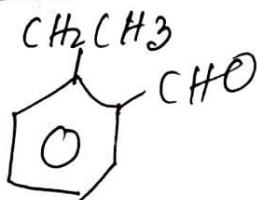
a) Orthonitrophenols are more acidic than Phenol.

b) Aniline does not undergo Friedel Craft reaction.

c) Diazonium salts of aromatic amines are more stable than those of aliphatic amines.

Rue le resonance.

26. An organic compound with the molecular formula $C_9H_{10}O$ forms 2,4-DNP derivative, reduces Tollens' reagent and undergoes Cannizzaro reaction. On vigorous oxidation, it gives 1, 2-benzenedicarboxylic acid. Identify the compound.



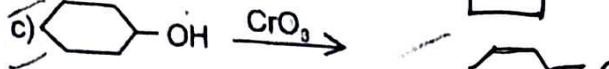
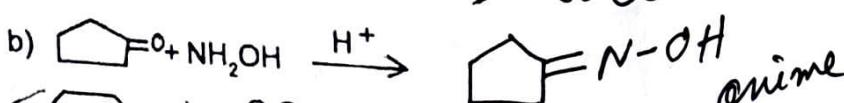
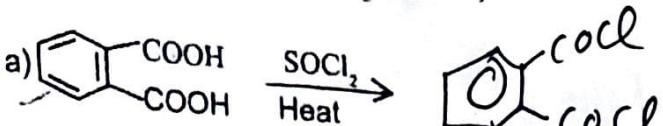
Give simple chemical tests to distinguish between the following pairs of compound.

a) Ethanal and Propanal

b) Propanal and propanone

c) Acetophenone and Benzophenone

27. Complete the following reactions (any three)



28. a) What are essential and non-essential amino acids? Give one examples of each type.

Semi carbazone

Body can't produce quickly enough & must come from food.

valine

Threonine

Tryptophan

⑨ essential

alanine

arginine

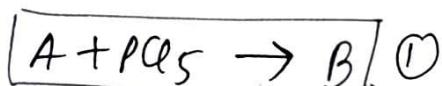
glycine

b) Write two difference between DNA and RNA.

human body

c) Which sugar is called invert sugar? Why is it called so?

sucrose



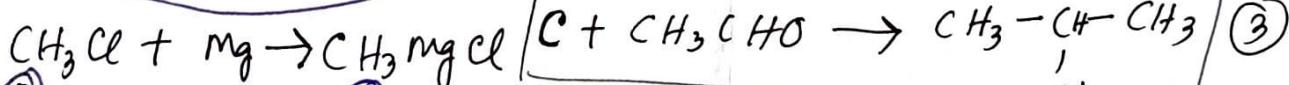
Chloroalkane (CH_3Cl)

29. An organic compound (A) reacts with PCl_5 to produce another compound (B). (B) reacts the magnesium metal in presence of ether to produce Grignard reagent (C). (C) reacts with ethanal and the product is hydrolysed to produce propan-2-ol. Identify (A), (B) and (C) and explain the reaction.

$B = \text{CH}_3\text{OH}$

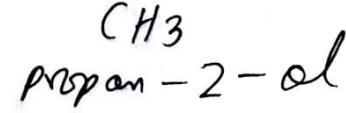
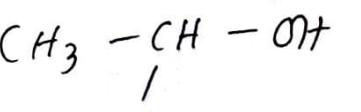
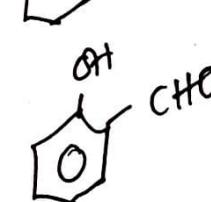
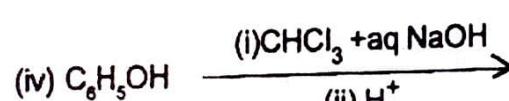
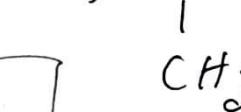
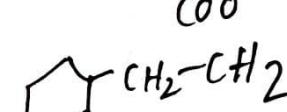
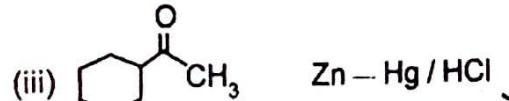
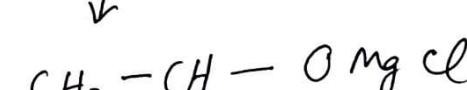
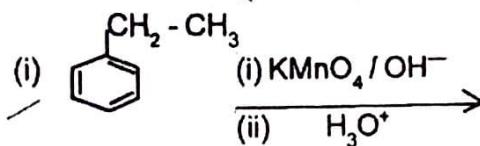
$C = \text{CH}_3\text{MgCl}$

$B + \text{Mg ether} \rightarrow C(\text{RMgX})$ ②



Complete the following reactions : (any five)

তলব বিক্রিয়াবোর সম্পূর্ণ করা— (যি কোনো পাঁচটা)



TUESDAY

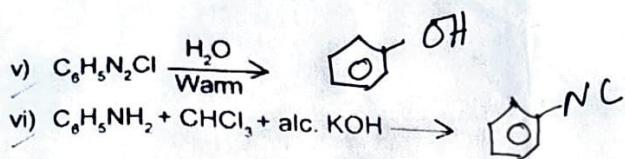
avis

for
cted

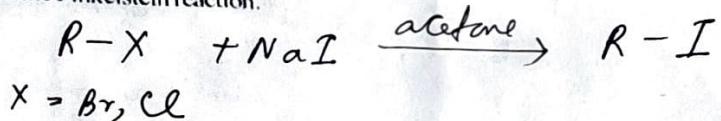
ed

recs,

shel



30. a) Write the Finkelstein reaction.

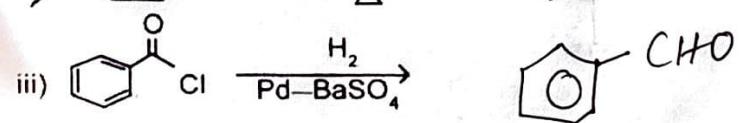
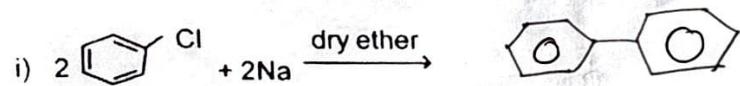


b) Both carboxylic acid and alcohol can form intermolecular hydrogen bonding. But the boiling point of carboxylic acid is more than that of corresponding alcohols. why?

C.A. forms a cyclic dimer. Intramolecular H-bonding in C.A. is higher than alcohol due to this.

c) Complete the following reaction. (any two)

নিম্নলিখিত বিক্রিয়াসমূহ সম্পূর্ণকৈ লিখা (যিকোনো দুটো)



19 AUGUST

SivSagar

TUESDAY

Q10. Positive deviation from Raoult's law is when the observed vapor pressure of a mixture is greater than what's predicted by Raoult's law. When molecules with weaker intermolecular forces are mixed w/ those w/ stronger intermolecular forces, they give rise to +ve deviation (water + Alcohol)

Amirth is positive for +ve deviation from Raoult's law because absorption of heat takes place.

Q:

20 AUGUST

WEDNESDAY

O/I

Let the initial amount be, $a = 100\%$

Let the amount decomposed be $x = 20\%$

Remaining amount, $a-x = 80\%$

Given, time required, $t = 40 \text{ minutes}$

The integrated rate equation for first order reaction is,

$$K = \frac{2.303}{t} \log \frac{a}{a-x}$$

plugging the values to get K :

$$K = \frac{2.303}{40} \log \frac{100}{80}$$

$$= 0.0558 \text{ hr}^{-1}$$

21 AUGUST

THURSDAY

half life period for a 1st order reaction is given by,

$$t_{1/2} = \frac{0.693}{k}$$

$$= \frac{0.693}{0.056}$$

$$= 12.33 \text{ minutes}$$

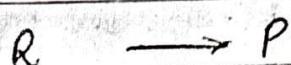
(1) m

Q. Establish the relation for a 1st order reaction, $k = 2.303 \log \frac{[R]_0}{[R]}$

22 AUGUST

FRIDAY

Soln, let the reaction of question 1 be



Let at $T = 0$, $[R] = [R]_0$

& at $T = +t$, $[R] = [R]$

The differential rate equation for this reaction will be,

$$r = -\frac{d[R]}{dt} = k[R]$$

Rearranging & integrating both sides,

SATURDAY

23 AUGUST

$$-\frac{d[R]}{[R]} = K dt$$

$$-\ln [R] = kt + c \quad (i)$$

we have, ^{at} $t=0$, $[R] = [R]_0$

$$\text{eqn } (i) \Rightarrow -\ln [R]_0 = k(0) + c$$

$$c = -\ln [R]_0$$

putting back value of c ,

$$\therefore \text{eqn } (i) \Rightarrow -\ln [R] = kt - \ln [R]_0$$

$$24 \text{ AUGUST} \Rightarrow \ln \frac{[R]_0}{[R]} = kt \quad \left. \begin{array}{l} \log a - \log b \\ \log \frac{a}{b} \end{array} \right\} \text{SUNDAY}$$

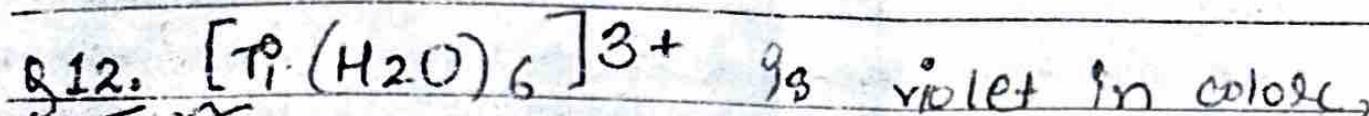
$$\Rightarrow 2.303 \log \frac{[R]_0}{[R]} = -kt$$

$$\Rightarrow \frac{2.303}{k} \log \frac{[R]_0}{[R]} = K$$

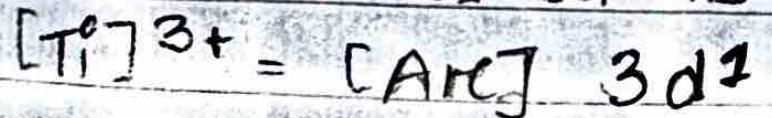
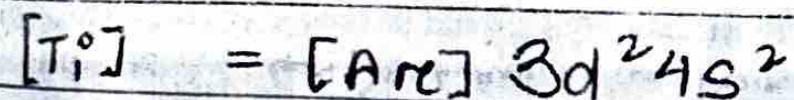
$$\left. \begin{array}{l} \log \frac{a}{b} \\ \ln a - \ln b \end{array} \right\} \ln a = 2.303 \log \frac{a}{b}$$

25 AUGUST

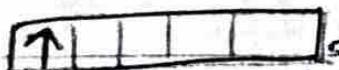
MONDAY



In this complex, Ti is present as Ti^{3+} .



According to crystal field theory,



3d orbitals in



3d orbitals

in pure form spherical crystal field



3d orbitals in
octahedral crystal
field.

H_2O is a weak field ligand, a high spin complex is formed.

26 AUGUST

TUESDAY

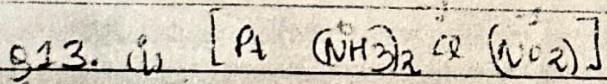
During transition of this e^\ominus , it absorbs photons from yellow light & emits its complementary color violet, which is observed by naked eyes.

Q. Out of Cu^+ & Cu^{2+} , which ion is more stable in aqueous solution & why?

Soln. Out of Cu^+ & Cu^{2+} , Cu^{2+} is more stable in aqueous medium because of high value of hydration enthalpy which compensates for the high and ionization enthalpy of copper.

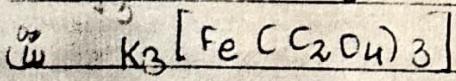
27 AUGUST

$\therefore Cu^+$ disproportionates into $Cu^{2+} \& Cu$ WEDNESDAY
in aqueous medium



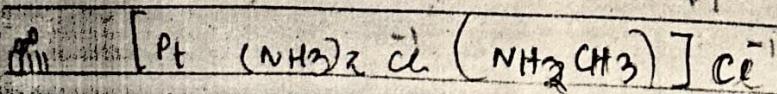
diamminechloridoniitrito-N platinum (II)

-5 -3



potassiumtrioxalatoferrate (III)

+1

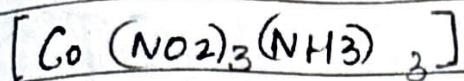


diamminechloridomethylamineplatinum (II) chloride

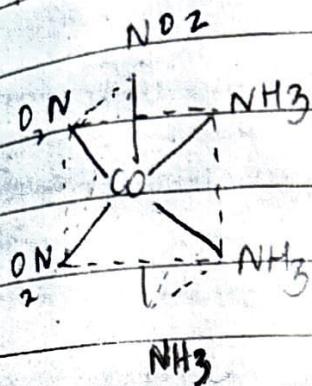
28 AUGUST

THURSDAY

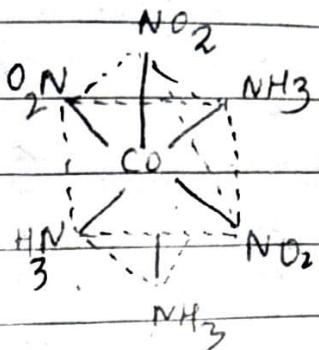
814. Solⁿ



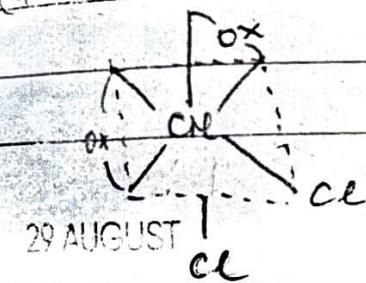
facial isomer



meridional isomer



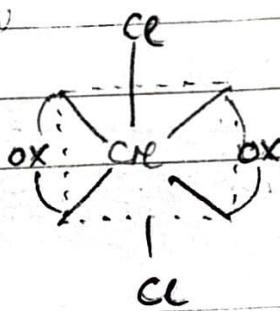
(a)



29 AUGUST

cis-

(b)

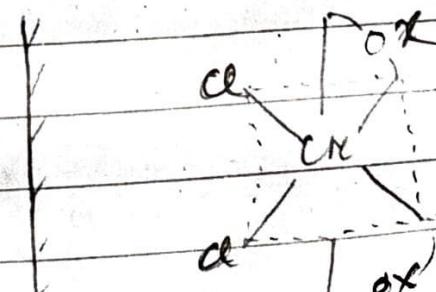
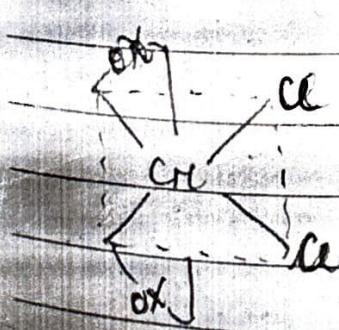


FRIDAY

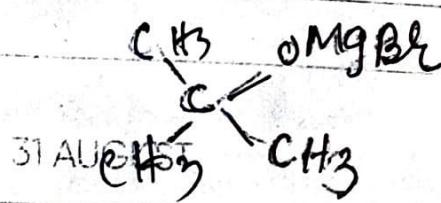
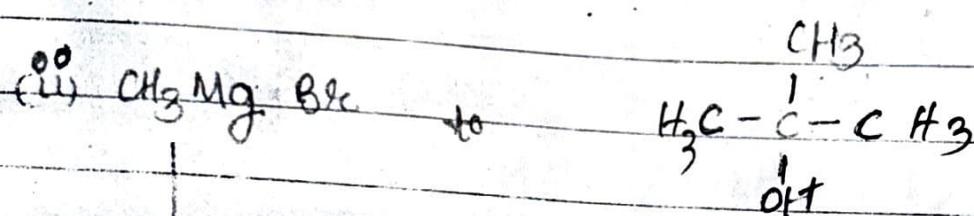
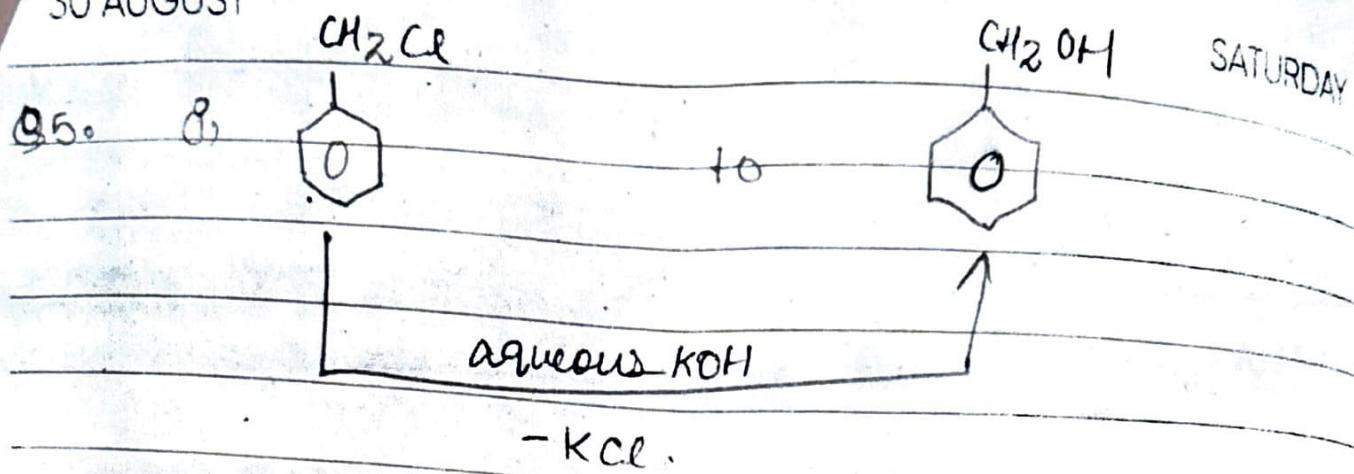
trans-

(b) is optically active

(a) has non-superimposable mirror images

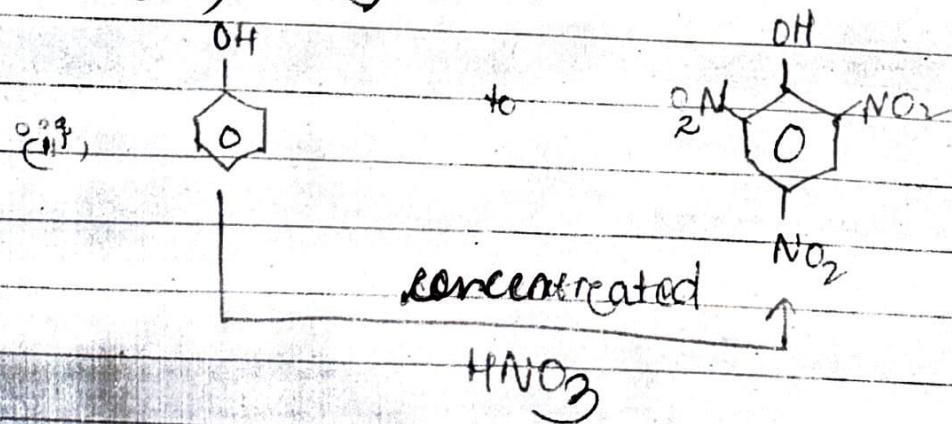


30 AUGUST



31 AUGUST

SUNDAY



© Roberts

27 SEPTEMBER

SAT

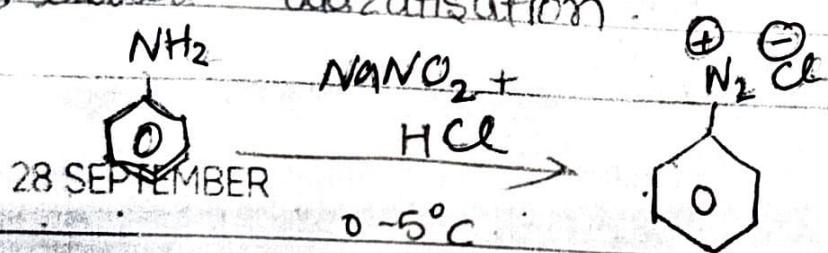
Q16. (i)

Basic Strength (K_b)

$C_6H_5NH_2 < C_6H_5NHCH_3 < C_2H_5NH_2 < (C_2H_5)_2NH$
(pK_b) order

$C_6H_5NH_2 > C_6H_5NHCH_3 > C_2H_5NH_2 > (C_2H_5)_2NH$

(ii) The conversion of 1° amines into diazonium salts is called diazotisation.



iii Carbonylamine test

Both aromatic & aliphatic 1° amines undergo reaction w/ alcoholic KOH / NaOH & CuCl_2 to form carbonyl amines distinguished by an unpleasant smell. 2° & 3° amines do not give this test.

30 SEPTEMBER

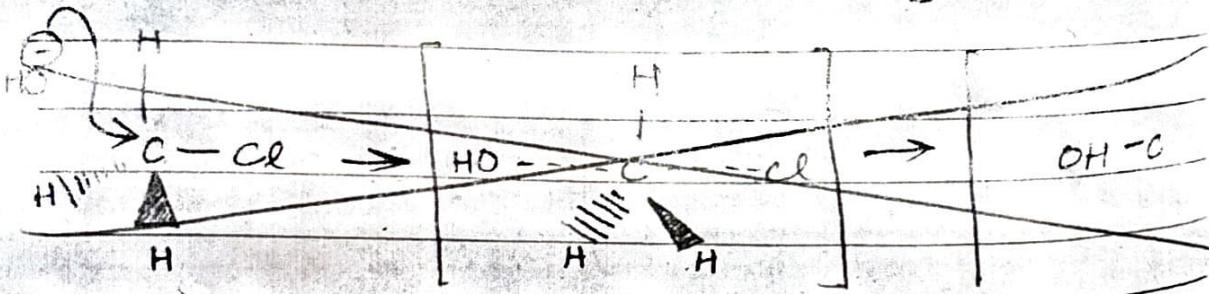
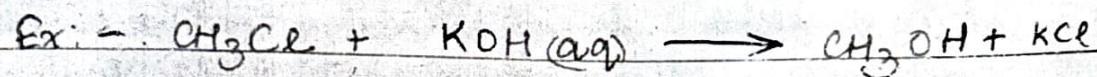
TUESDAY

Ti

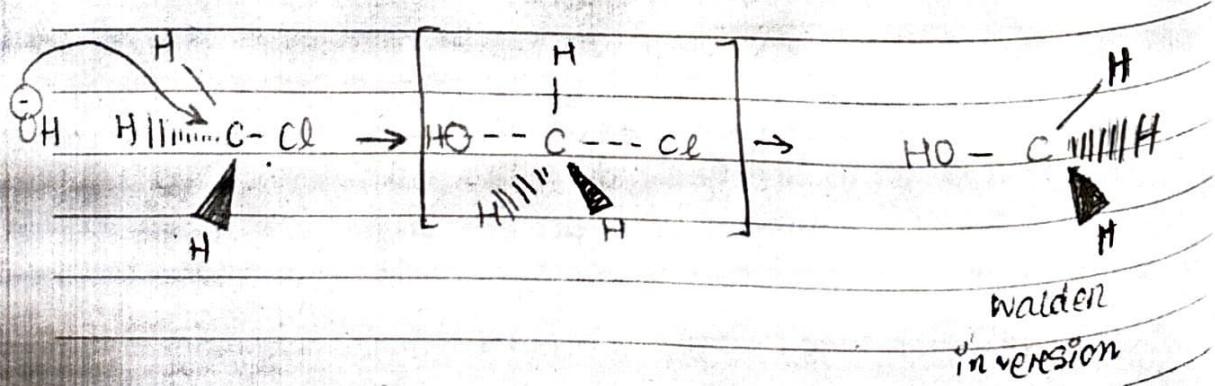
Q17. Generally, S_N2 reaction is followed by 1o alkyl halide.

This reaction takes place in only one step; thus bond breaking & making takes place at the same time giving rise to a transition state.

The nucleophile always attacks the α - carbon from the back side of the halogen atom. Therefore, inversion of configuration takes place called walden inversion.



mechanism



Q19.

Given; $P_0 = 55.3 \text{ mmHg}$.

$$\frac{P_0 - P}{P_0} = x_A$$

$$\frac{55.3 - P}{55.3} = \frac{\frac{10}{60}}{\frac{10}{60} + \frac{90}{60}}$$

$$= \frac{\frac{1}{6}}{\frac{1}{6} + \frac{5}{6}}$$

04 OCTOBER

$$\frac{55.3 - P}{55.3} = \frac{1}{6} \times 55.3$$

$$55.3 - P = 1.78$$

$$53.52 \text{ mmHg}$$

Pass

Pathology
Normal

05 OCTOBER

SUNDAY

Q20. (i)

$$E_{\text{cell}} = E^{\circ}_{\text{cell}} - \frac{0.0591}{2} \log \frac{[\text{Mg}^{2+}]}{[\text{Cu}^{2+}]}$$

$$= E^{\circ}_{\text{cell}} - 0.0295 \log \frac{10^{-3}}{10^{-4}}$$

$$= E^{\circ}_{\text{cell}} - 0.0295$$

$$E^{\circ}_{\text{cell}} = E^{\circ}_{\text{Cu}^{2+}/\text{Cu}} - E^{\circ}_{\text{Mg}^{2+}/\text{Mg}}$$

$$\text{(ii)} \quad E_{\text{cell}} = E^{\circ}_{\text{cell}} - \frac{0.0591}{2} \log \frac{[\text{Sn}^{2+}]}{[\text{H}^+]^2}$$

$$= E^{\circ}_{\text{cell}} - 0.0295 \log \frac{5 \times 10^{-2}}{4 \times 10^{-4}}$$

$$= E^{\circ}_{\text{cell}} - 0.00286$$

$$E^{\circ}_{\text{cell}} = E^{\circ}_{2\text{H}^+/\text{H}_2} - E^{\circ}_{\text{Sn}^{2+}/\text{Sn}}$$

$$\text{(iii)} \quad E_{\text{cell}} = E^{\circ}_{\text{cell}} - 0.0295 \log \frac{[\text{Fe}^{2+}]}{[\text{H}^+]^2}$$

$$= E^{\circ}_{\text{cell}} - 0.0295 \log \frac{10^{-3}}{1}$$

$$= E^{\circ}_{\text{cell}} + 29.5$$

$$E^{\circ}_{\text{cell}} = E^{\circ}_{2\text{H}^+/\text{H}_2} - E^{\circ}_{\text{Fe}^{2+}/\text{Fe}}$$

07 OCTOBER

TUESDAY

$$821 \cdot \frac{T}{L} = 298 \text{ K}$$

$$T_2 = 308 \text{ K}$$

$$K = K_1$$

$$K = K_2$$

$$t = TS$$

$$t = TS$$

$$K_1 = \frac{2 \cdot 303}{T} \log \frac{100}{98}$$

$$K_2 = \frac{2 \cdot 303}{T} \log \frac{100}{75}$$

$$K_1 = 2 \cdot \frac{303}{T} (1 - 0.954)$$

$$= \frac{2 \cdot 303}{T} (0.046)$$

$$K_2 = 2 \cdot \frac{303}{T} (0.602 - 0.477)$$

$$= \frac{2 \cdot 303}{T} (0.125)$$

08 OCTOBER

WEDNESDAY

$$K_1 = 0.046$$

$$K_2 = 0.125$$

$$\frac{46}{125} :$$

$$\frac{K_2}{K_1} = \frac{125}{46} = 2.717$$

$$\log \frac{K_2}{K_1} = 0.301 + 0.717 \times 0.176$$

$$= 0.301 + 0.1262$$

$$0.427$$

$$0.427 = \frac{E_a}{19.15} \left(\frac{1}{298} - \frac{1}{308} \right)$$

$$72785.5 = E_a$$

02 SEPTEMBER

22

C//

TUESDAY

Lanthanoid contraction & consequences

The decrease in ionic/atomic radii of the elements of lanthanoid series in moving left to right is known as lanthanoid contraction.

Consequences,

- Separation of Lanthanoids : The ionic radii of the lanthanides are similar because their ionic radii are only slightly different. This makes it difficult to separate lanthanides in pure form.

Effect on basic character of hydroxide

The lanthanoid character is due to M^{3+} ion decreases increasing the covalent characters in M-OH bond.

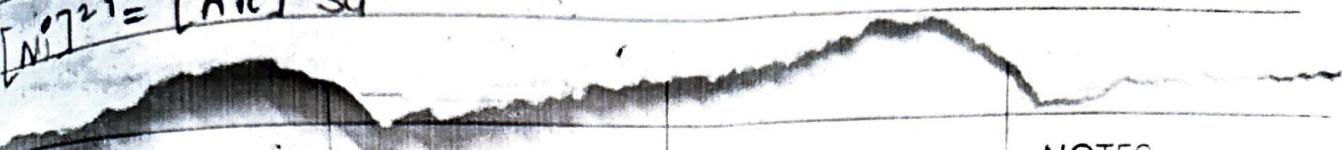
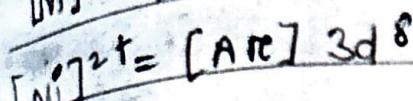
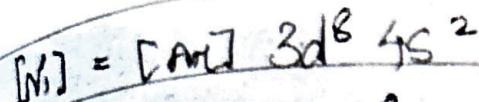
This decreasing basicity of we move from

La(OH)₃ to Lu(OH)₃

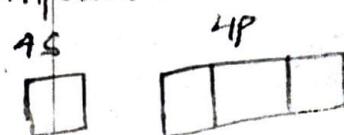
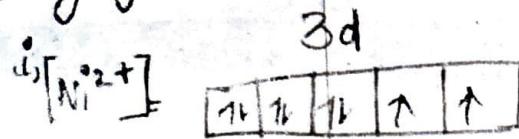
SEPTEMBER

THURSDAY

Q.3. In both the compounds $[\text{Ni}(\text{H}_2\text{O})_6]^{2+}$ & $[\text{Ni}(\text{CN})_4]^{2-}$
 Ni is present as Ni^{2+} ,



Applying VBT to both the compounds.



NOTES

4d



sp^3d^2 hybridisation

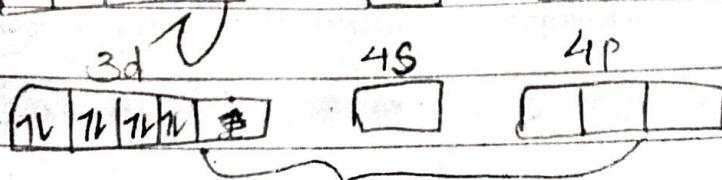
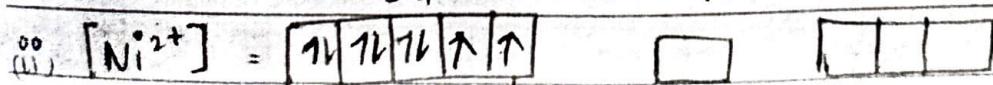
$\therefore \text{H}_2\text{O}$ is a NLF so, no pairing of unpaired e⁻s take place. So, 2 unpaired e⁻s show d-d transition

03 SEPTEMBER

MONDAY

on absorbing radiation equivalent to Red light

emitting it's complementary color green.



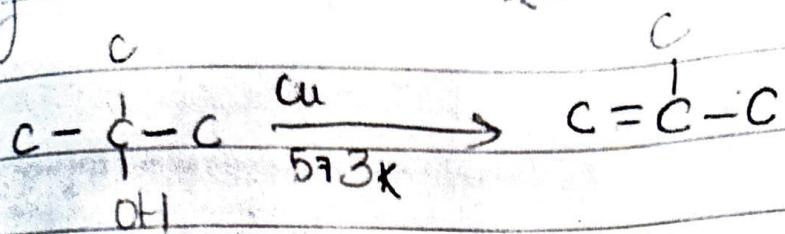
$\text{d}\text{s}\text{p}^2$,

CN being a SFL, pairs the unpaired e⁻s, so no d-d transition takes place.

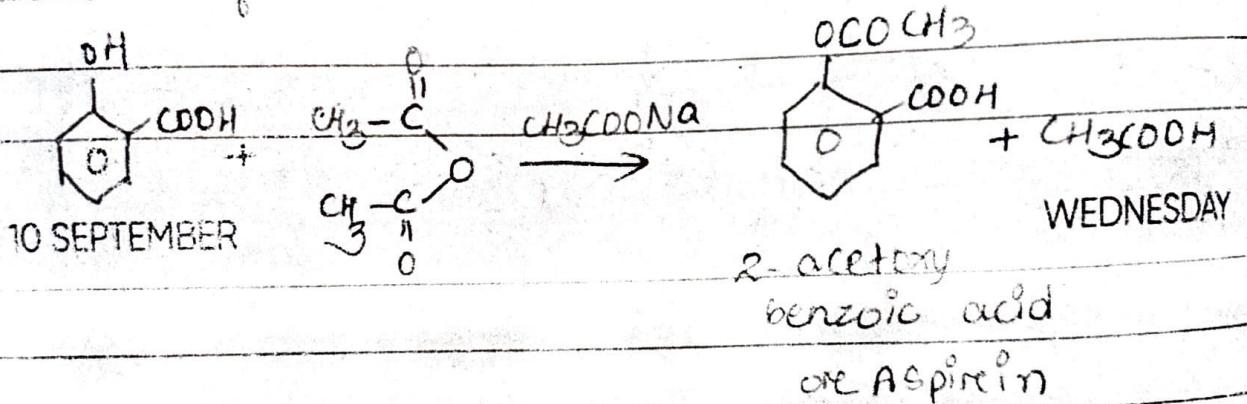
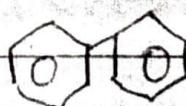
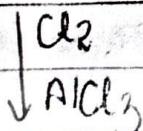
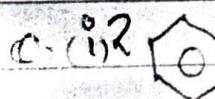
SEPTEMBER

TUESDAY

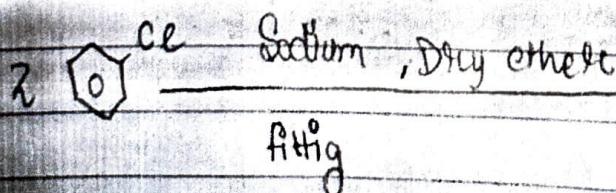
Q4. (a) When vapors of β -alcohols are passed over copper at 573K, instead of dehydrogenation dehydration occurs & alkene is formed.



(b) From Salicylic acid, to synthesize Aspirin i.e. 2-acetoxybenzoic acid, acetic anhydride in presence of Barium acetate is used.

OR

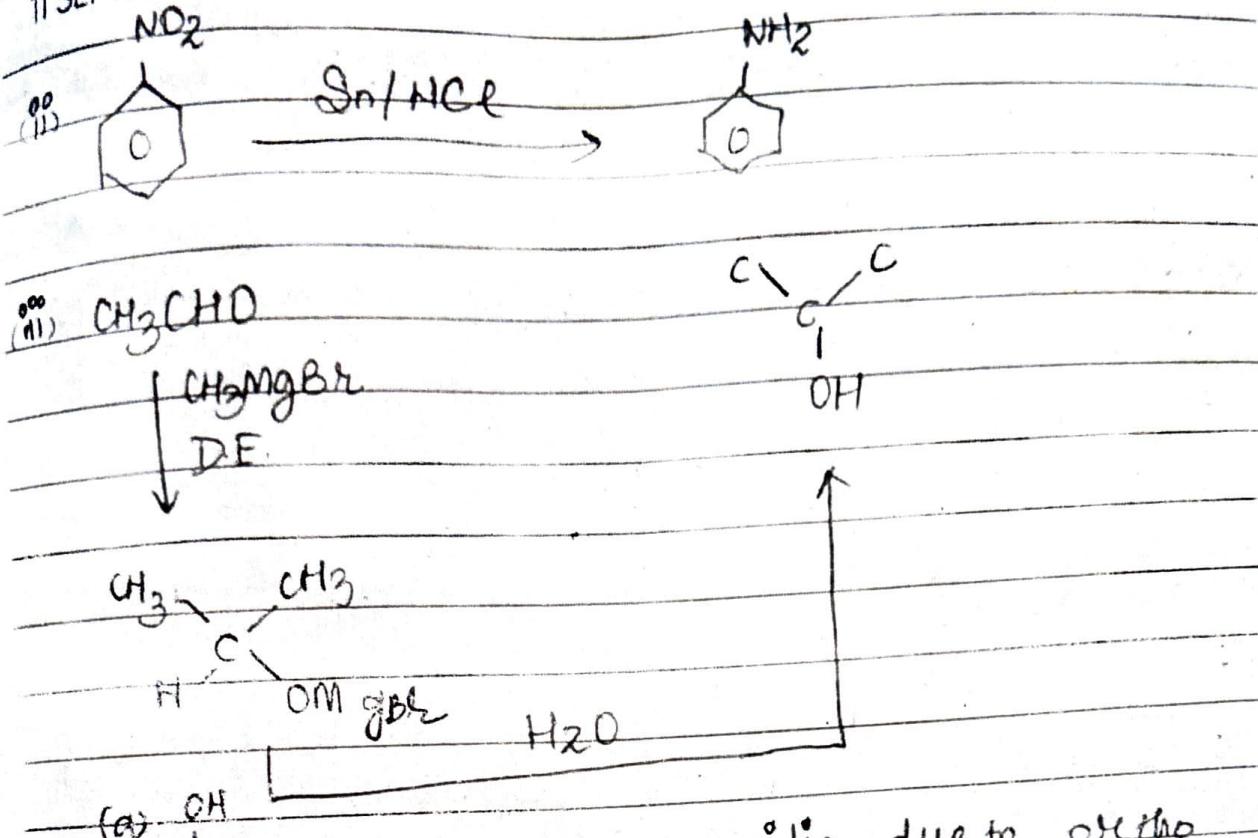
biphenyl



11 SEPTEMBER

NO_2

THURSDAY



Q25. NO_2 , are more acidic due to ortho effect.

2 SEPTEMBER

FRIDAY

Due to the steric hindrance b/w NO_2 & $-\text{OH}$, $-\text{NO}_2$ group rotates the plane of the $-\text{OH}$ group, making the 'H' on $-\text{OH}$ more available.

b) Aniline is an deactivating group due to $-I$ effect, so this reaction is not favorable.

c) Aniline reacts w/ the lewis acids used in Friedel-Crafts alkylation & acylation, leading to the formation of +ve charge on 'N', so instead of $+R'$ effect, it generates $-R'$ effect, making it very deactivating for further reaction.

13 SEPTEMBER

SATURDAY

(v) Diazonium salts of aromatic amines have resonance which disperses the positive charge on the ' R_2^+ ' group all over the benzene ring.

Aliphatic diazonium salts don't exhibit resonance making them less stable than aromatic diazonium salts.

Q26. 1) The compound forms a 2,4-DNP derivative
 \therefore The compound must contain a $\text{--C}=\text{O}$ group.

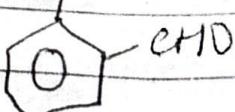
2) It reduces Tollen's reagent, then it must be an aromatic or aliphatic aldehyde.

14 SEPTEMBER

SUNDAY

It undergoes Cannizaro reaction, it proves that there is no α -hydrogen on the compound.

4) On oxidation it gives 1,2-benzenedicarboxylic acid, so, the compound must be aromatic. 6-carbons will be used in the benzene ring, 1-carbon will form the aldehydic group, then 2-carbons will have to form an ethyl group on benzene.
 \therefore The compound will be $\text{H}_2\text{C}-\text{CH}_3$

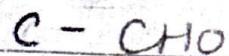


15 SEPTEMBER

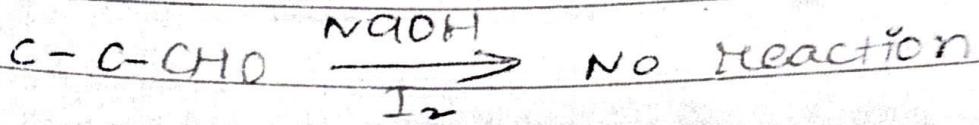
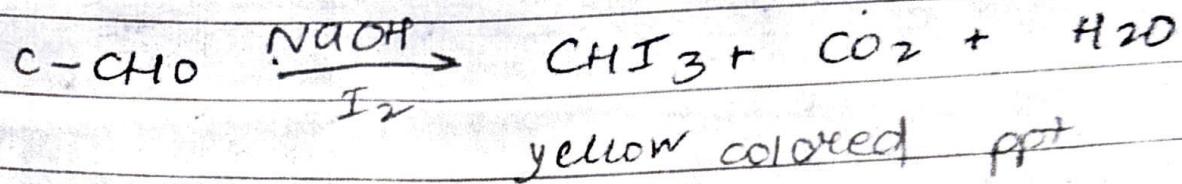
(a) Ethanal

&

Propanal



(i) Iodoform test

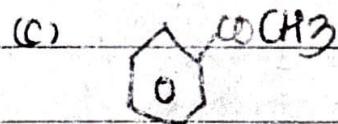
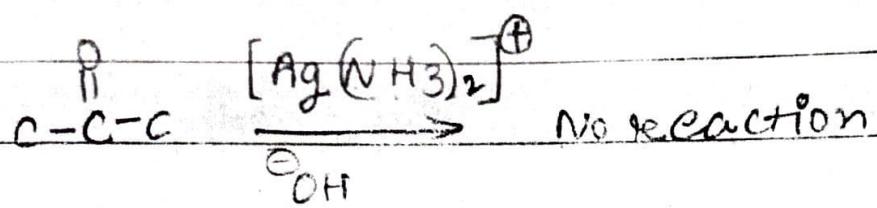
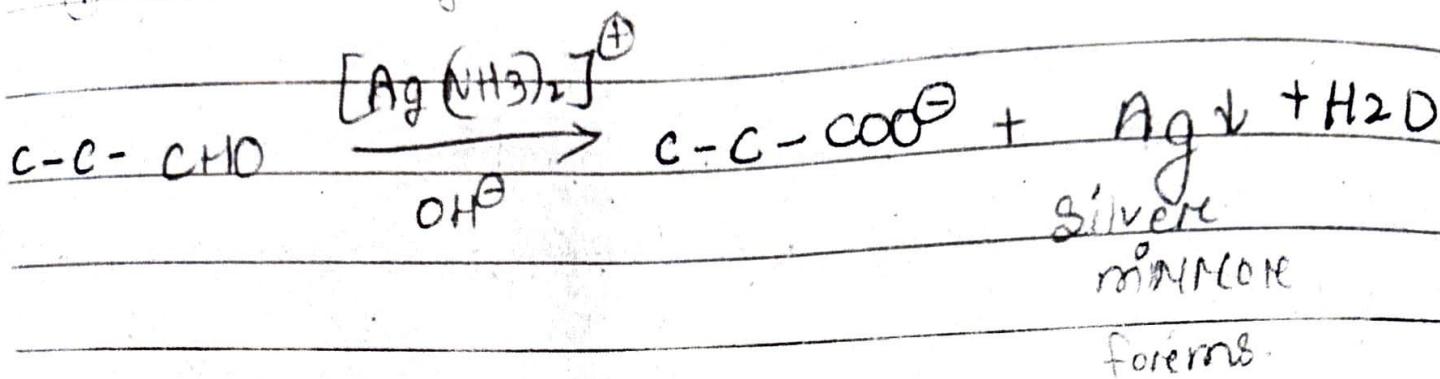


SEPTEMBER

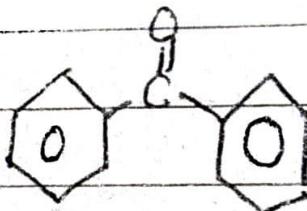
TUESDAY

Propanal & propanone

i) Fehling's reagent test



&



ii) Iodoform test

17 SEPTEMBER

WEDNESDAY

