



LGS GROUP OF COLLEGES

A PROJECT OF LAHORE GRAMMAR SCHOOL

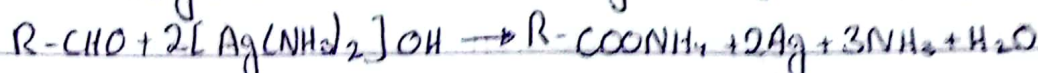
Name: Abdul Saboor Class: 2nd Year Roll No. 230101
 Subject: Chemistry Test No. Assignment Date: 21-11-24

A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	Marks Obtained
1				6				11				16				
2				7				12				17				
3				8				13				18				
4				9				14				19				
5				10				15				20				

Question no 02:

• Part i •

Tollen's test is also called silver mirror test because aldehyde form silver mirror with Tollen's reagent (ammoniacal silver nitrate solution).

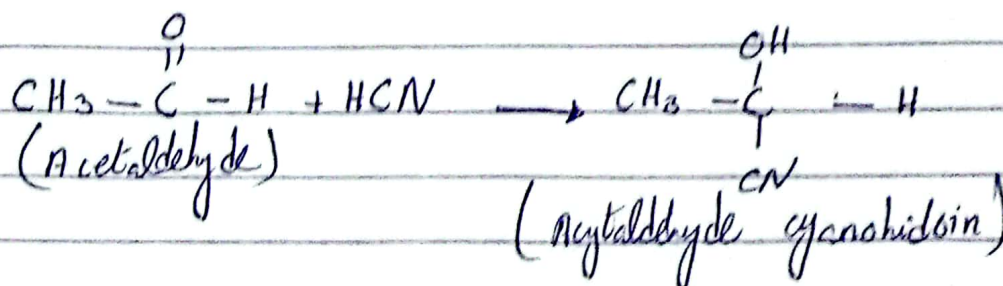


• High quality mirrors are manufactured by using this principle.

• Part ii •

"The haloform reaction using iodine and aqueous sodium hydroxide is called the iodoform test. It results in the formation of water insoluble iodoform which is a yellow solid."

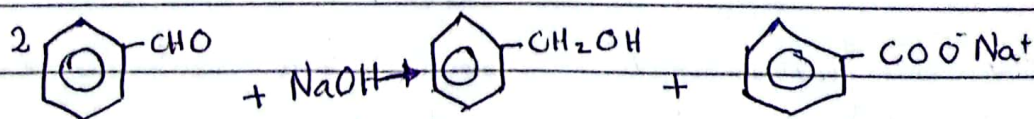
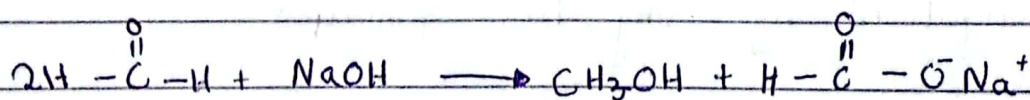
• Part iii •





Question no 03:-

- Aldehydes that have no α -hydrogen atoms undergo Cannizzaro's reaction.
- It is disproportionation (self oxidation reduction) reactions.
- Two molecules of the aldehydes are involved one molecule being converted into the corresponding alcohol (the reduced product) and the other into the acid in the salt form (the oxidation product).
- The reaction is carried out with 50 percent aqueous solution of sodium hydroxide at room temperature.



Benzaldehyde \longrightarrow Benzyl alcohol + Sodium benzoate.

