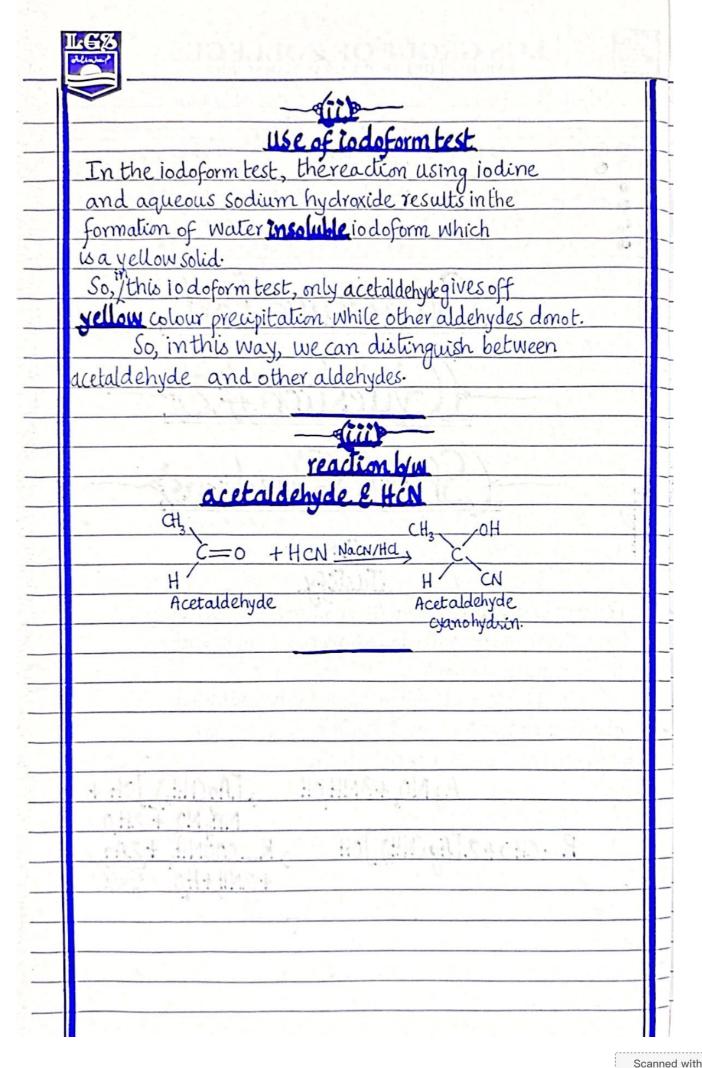
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LGS GROUP OF COLLEGES A PROJECT OF LAHORE GRAMMAR SCHOOL

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	Subjective Part
1	So, I'M Bridge Model to a great of the common for the foreign or of a
9	-(Question#2)
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1	- Short Questions
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No.	Justify
	ollen's test is also called silver mirror test as aldehyde
f	orm silver mirror with Toller's reagent Cammonical
S	ilver nitratesolution).
	If we add Tollen's reagent to an aldehyde
Sc	olution in a test tube and warmit, a silver mirror will
6	e formed on the inside of the test tube.
	Ad NO +3NH OH \ [Ag(NH.) OH +
	NH, NO, + 2H, O
	R-CHO+2[Ag(NH3)]OH R_COONH, +2Ag +2NH+HO mirror
	+2NH+HO Silver
	The state of the s
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Student Name:

nnizaros Kea ype of aldehyde: Aldehydes that have no a-hydrogen atoms undergo Cannizaro's reaction. It is a disproportionation (self exidation-reduction) reaction. Two molecules of the aldehyde are involved one molecule being converted into corresponding (alcohol) - reduced product and other into acid in the salt form (oxidation product). 2H-C-H +NaOH ___ CHOH+H-C-ONAT -cho + Naoh Benzaldehyde Mechanisms The hydroxide ion acts as a nudeophile. It attacks on the electrophilic carbonyl carbon to form a complex anion. Formaldehyde Anion The anion transfers a hydride ion to second molecule of formaldehyde. form methoxide formaldehyde complex

