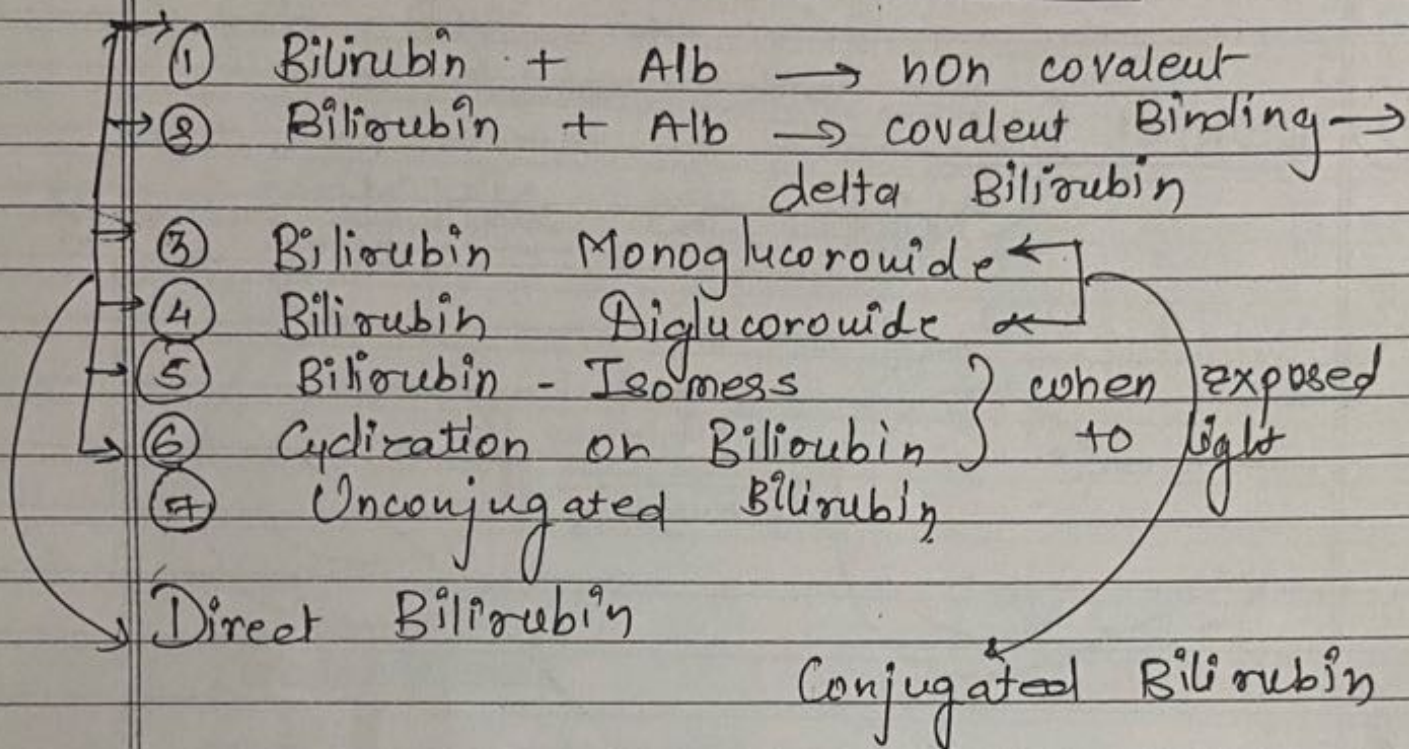


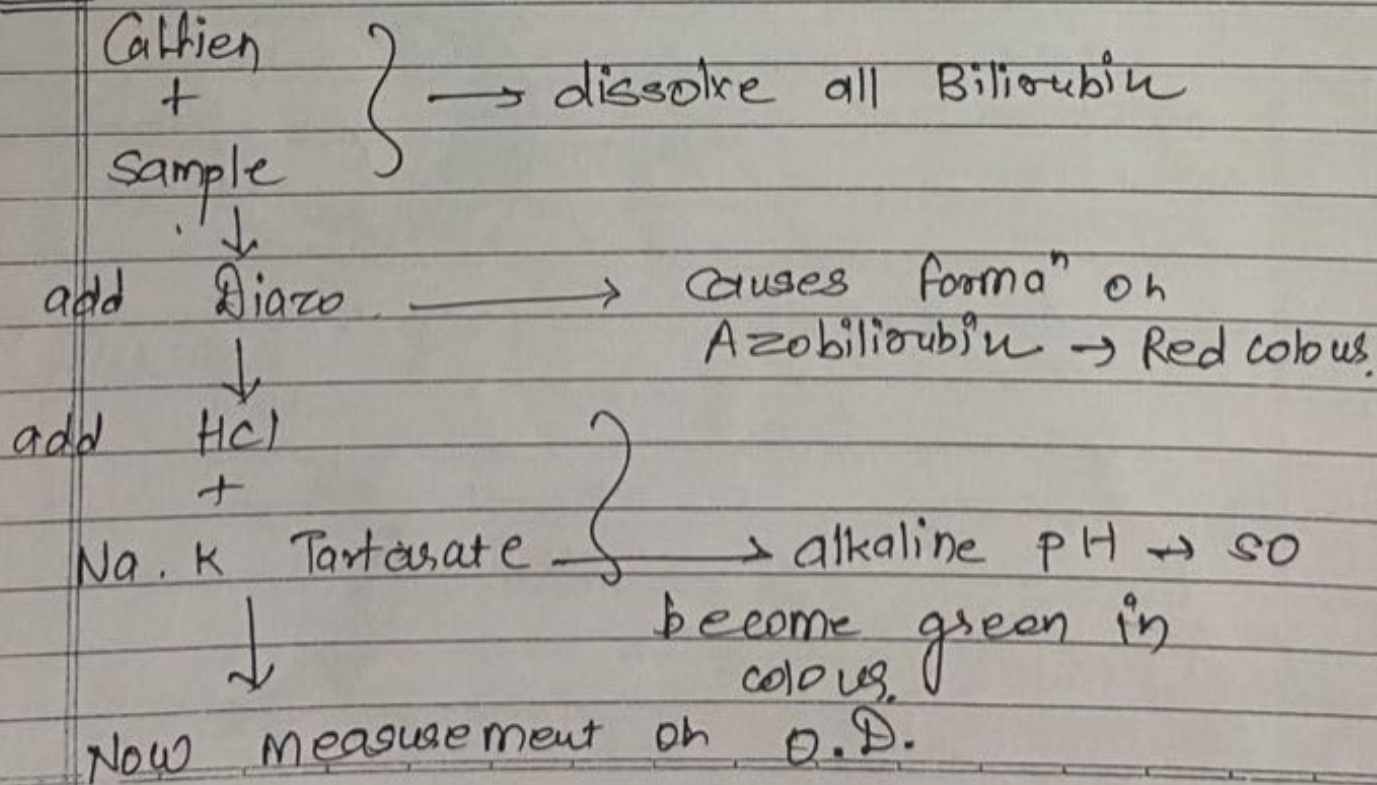
# Bilirubin Measurement

\* Forms of Bilirubin in Serum :-

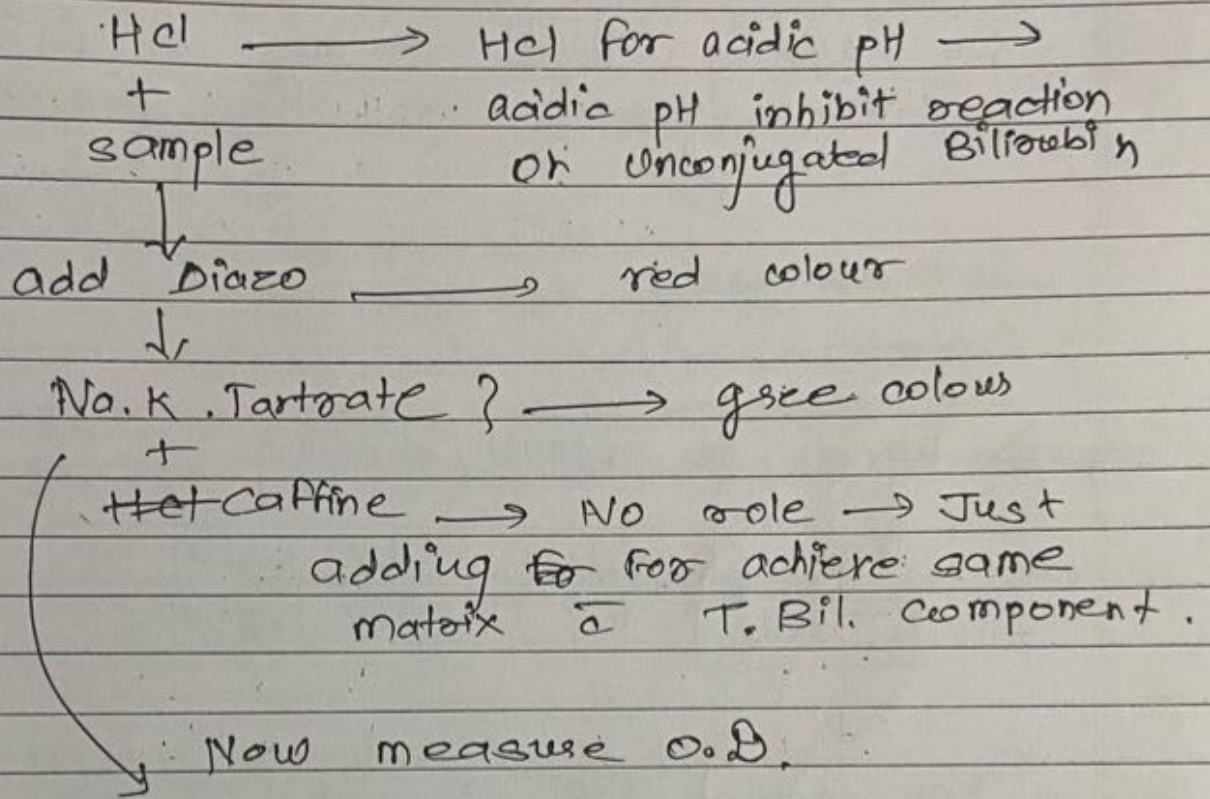


→ Reference Method for Bilirubin Estimation :- Jandrossik method.

1<sup>st</sup> Total Bilirubin :-



## Unconjugated Bilirubin

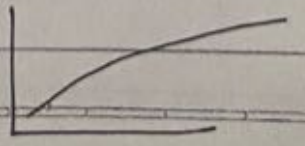


- $\longrightarrow$  By this method, calibration done.
- $\longrightarrow$  factor has desired.
- $\longrightarrow$  Unconjugated Bilirubin has not reference method.
- $\longrightarrow$  For unconjugated Bilirubin is calibrated with TBIL factor / unconjugated factor

~~Be~~ we are not using factor on DBIL  $\downarrow$

Because equilibrium is not achieved in graph, In calibrator  $\downarrow$

so not all DBIL is reacted during given time.



↓  
So we can't use DBil factor.

⇒ We can develop 2° calibrator by adding like 5 mg of diTaurobilirubin powder to the serum  
↓  
measure.

⇒ When pt result showing

TBIL Result : 1.2 mg/dl  
[DBIL] " : 1.2 mg/dl  
↓

Then actual DBil is not 1.2 mg  
Because it also include  
wt of glucuronic acid by  
art.