

# AMINES AND UREA

1.

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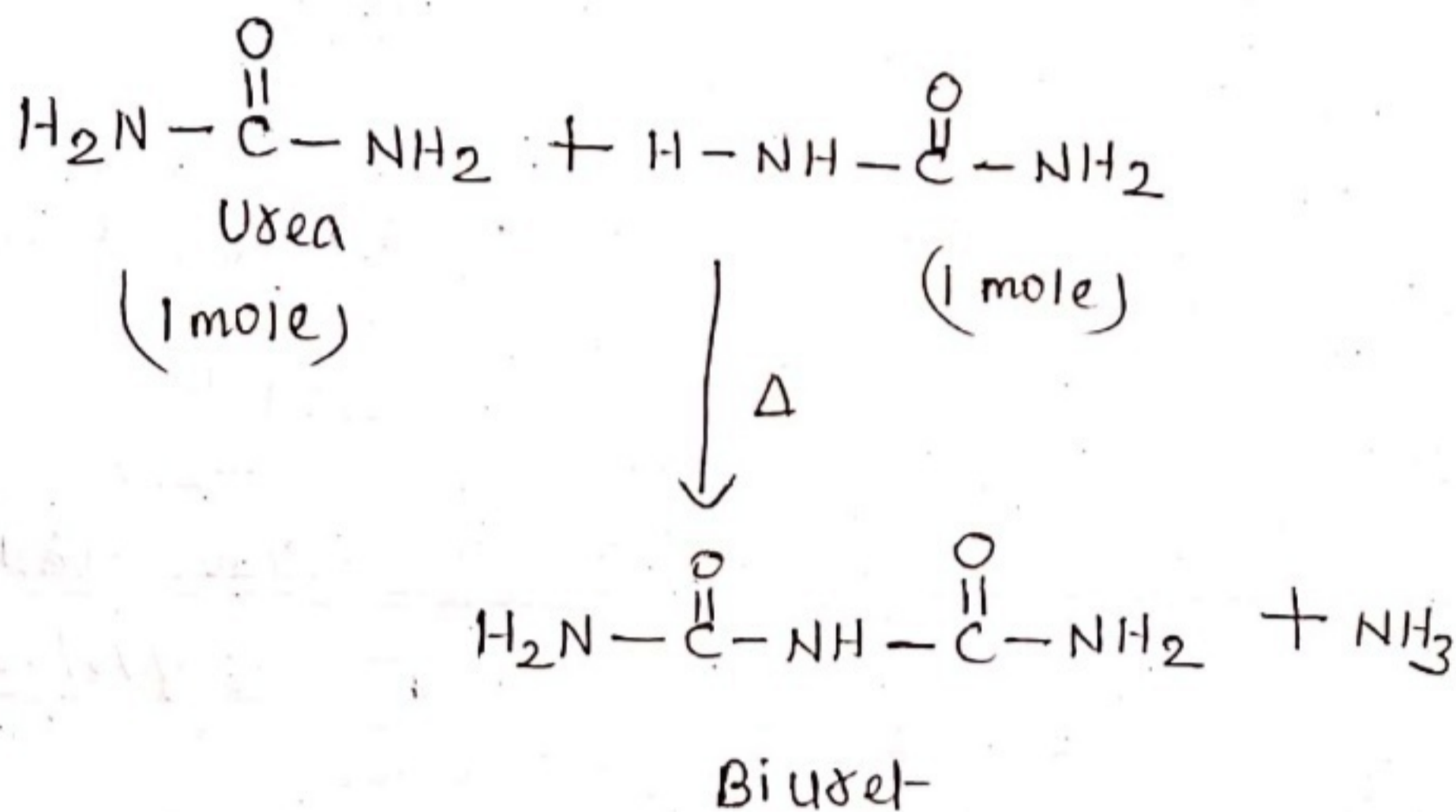
## (Lecture-8)

09-05-2020  
Deg-I (Hons.)

### TOPIC - BIURET-TEST

#### Action of Heat (Biuret-Test)

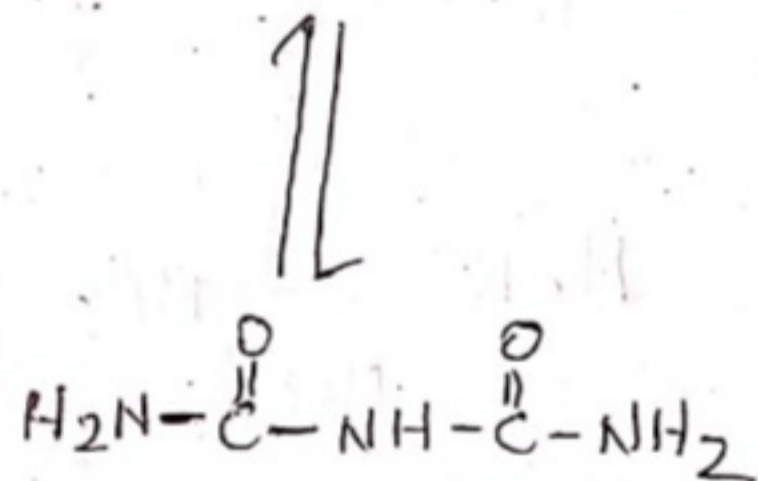
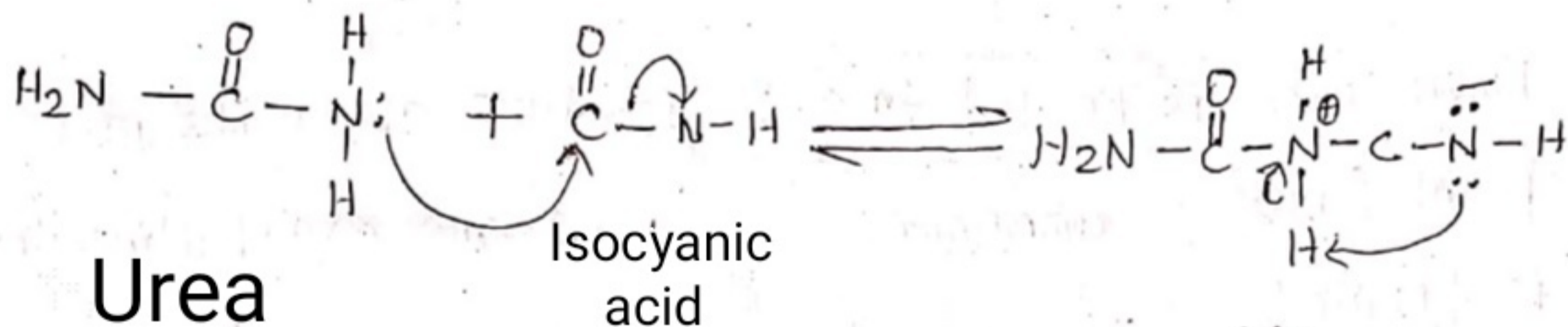
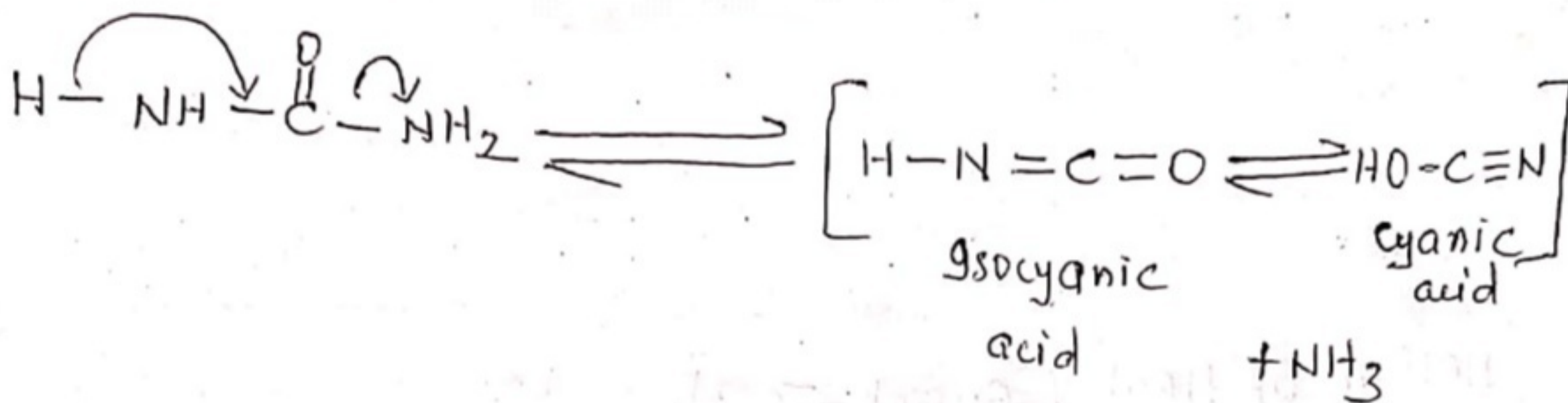
When urea is heated to a temperature above its melting point ( $132^{\circ}\text{C}$ ), ammonia is evolved and crystalline biuret is formed.



If an alkaline solution of biuret is treated with a drop of copper(II) sulphate solution, a violet colour appears. This serves as a test (Biuret Test) for the urea and also for proteins; peptides and other compounds containing the  $-\text{CO}-\text{NH}-$  linkage.

# Mechanism

2.



Biuret

~ Biuret-Test Completed ~

Only For Hons.