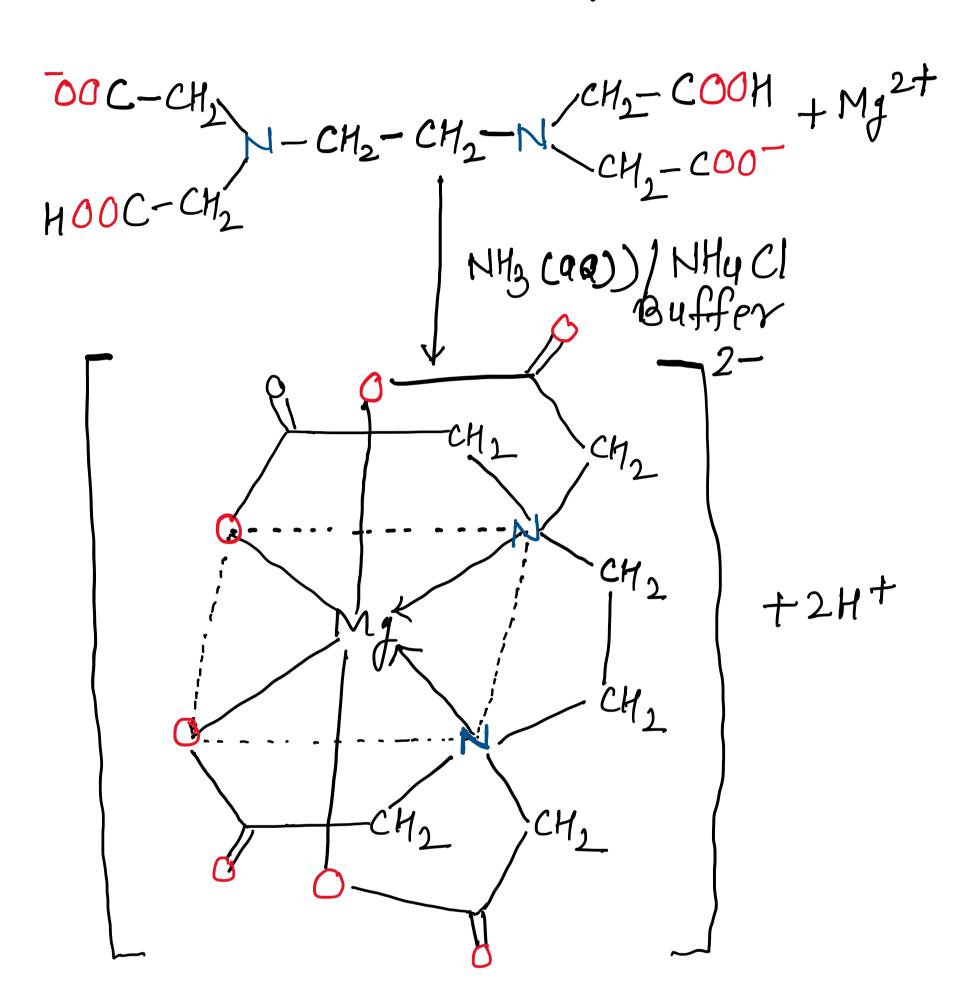
**Aim**: To estimate the amount of Mg(II) in the given solution using approximately M/50 EDTA and Eriochrome Black T as indicator.

Friday, 2 October 2020

8:59 PM

## **Theory:**

$$HOOC-CH_2$$
 $HOOC-CH_2$ 
 $CH_2-CH_2-N$ 
 $CH_2-COOH$ 
 $CH$ 



Indicator:

$$\begin{array}{c|c}
 & OH \\
\hline
OS \\
\hline
NO_2 \\
\hline
NO_2
\end{array}$$

$$\begin{array}{c|c}
 & N=N \\
H_2 I_n - Red \\
HI_n^{2-} - Blue \\
I_n^{3-} - Orange
\end{array}$$

Mechanism: Stepl: 12 pm 10 in the presence of Buffer Solution (NMS/NHU(1)

Step II: