In the reaction shown below, the major product(s) formed is/are

$$\begin{array}{c}
NH_2 \\
\hline
NH_2 \\
\hline
NH_2 \\
\hline
CH_2Cl_2
\end{array}$$
Product(s)

Correct Answer: A Solution :

[a]  $-NH_2$  group is acetylated by acetic anhydride in methylene chloride (solvent).  $-cH_2-NH_2+(cH_3cO)_2O$ 

cссн, cссн, cсмн+сн,соон -cсмн, cмн, c