Term Test 02 Bioorganic Chemistry Course No- BMB 123

\mathcal{A} . $S_{N}2$ reaction proceeds with complete stereochemical inversion. Explain why.	5
Arrange the following substrates according to their reactivity in S _N 2	2
CH ₃ C(CH ₃) ₂ CH ₂ Br, CH ₃ CH ₂ CH ₂ Br, CH ₃ CH ₂ Br, CH ₃ CH(CH ₃)CH ₂ Br, CH ₃ Br	
\nearrow 5. Write down the difference between SN2 and S_N1 reactions.	5
A. Define enantiomers, diastereomers and meso compounds with example.	5.
Indicate the position of chiral centers in the following compounds.	3
$CH_3CH_2CH_2CI$, $C_2H_5CHCICH_3$, $CH3CHOHCOOH$, $CH_3CH_2CHCICHCICH_3$, $CH3CH(C_2H_5)OHCOOH$	CH₂OH,
CH₃CHBrCH₃	