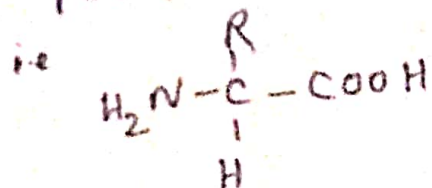


Sem-VI
Paper-II
Organic Chemistry

Amino acids, Peptides and Protein.

Amino acid $\rightarrow$ This is the micro-molecules (or Biomolecules) which contain Carboxylic acid and amino group at α -position.



eg Based on the value of R-functional group they are divided into two categories

(i) Essential amino acid $\rightarrow$ The amino acid which can be taken through diet is called essential amino acid.

eg leucine, isoleucine, lysine etc.

(ii) Non-essential amino acid $\rightarrow$ The amino acid which is synthesised in our body is called non-essential amino acid.

eg Alanine, Glycine, Serine etc.

Bipolar of Amino acid $\rightarrow$ Amino acid has dipolar in nature when proton of Carboxylic acid is accepted by base then it forms positive and negative ion simultaneously.

