• Shown here are the classical and the zwitterionic forms of the amino acid leucine.

Marks 5

$$H_3N$$
— CH — C
 CH_2
 CH_3 — CH
 CH_3
 CH_3

List the types of intermolecular interactions in which each of the indicated sites (\mathbf{A}, \mathbf{B}) and (\mathbf{C}) in leucine could be involved.

Α			
В			
С			
Atom	Geometric arrangement of the electron pairs around the atom	Hybridisation of the atom	Geometry/shape of σ-bonding electron pairs around the atom
¹ C			
² C			
3 _O			