

JEE Main Previous Year Questions

1. The secondary structure of a protein refers to

- (1) α -helical backbone
- (2) hydrophobic interactions
- (3) sequence of α -amino acids
- (4) fixed configuration of the polypeptide backbone

Solution:

The secondary structure of protein include α -helical back bond and R-sheet structures.

Hence option (1) is the answer.

2. The reason for double helical structure of DNA is operation of

- (1) dipole – dipole interaction
- (2) hydrogen bonding
- (3) electrostatic attractions
- (4) van der Waal's forces

Solution:

Helical structure of DNA is stabilised by hydrogen bonds.

Hence option (2) is the answer.