

A : Dipole-dipole interactions are the only non-covalent interactions, resulting in hydrogen bond formation.

R : Fluorine is the most electronegative element and hydrogen bonds in HF are symmetrical.
In the light of the above statements, choose the most appropriate answer from the options given below.

(1) A is false but R is true

(2) Both A and R are true and R is the correct explanation of A

(3) A is true R is false

(4) Both A and R are true but R is NOT the correct explanation of A

Reason:

Ion-dipole reaction also results in hydrogen bonding.