

22. Between which of the following pairs of substances can dispersion forces exist?

- (i) CH_3Cl and H_2O
- (ii) $\text{CH}_3\text{CH}_2\text{CHO}$ and HBr
- (iii) $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3$ and $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3$
- (iv) $\text{CH}_3\text{CH}_2\text{CH}_2\text{OH}$ and NH_3

- (a) i and ii only
- (b) i, ii and iii only
- (c) iii only
- (d) i, ii, iii and iv