

Match the hydrocarbons in Column I with the boiling points given in Column II.

Column I	Column II
(i) <i>n</i> -Pentane	(a) 282.5 K
(ii) <i>iso</i> -Pentane	(b) 309 K
(iii) <i>neo</i> -Pentane	(c) 301 K

ANS: (i) → (b) (ii) → (c) (iii) → (a)

Reason : The Boiling point of hydrocarbon is directly proportional to the area of molecule. Since *n*-pentane is longest it has most area so highest boiling point. And other accordingly .