

**Question 2**

**Value of universal gas constant (R) is the same for all gases. What is its physical significance?**

**Solution:** The dimensions of the universal gas constant R are energy per degree per mole.

In the metre-kilogram-second system, the value of R is 8.3144598 joules per Kelvin per mole. Hence R only depends on the unit of different parameter P, V, n, T. So R values the same for all gases