

14. According to Bohr's theory, the angular momentum of an electron in 5th orbit is (2006)

- 1) $25\frac{h}{\pi}$ 2) $1.0\frac{h}{\pi}$ 3) $10\frac{h}{\pi}$ 4) $2.5\frac{h}{\pi}$

Ans.

$$4) mvr = \frac{nh}{2\pi} = \frac{5h}{2\pi} = 2.5\frac{h}{\pi}$$