10. According to Bohr's theory, the angular momentum of an electron in 5th order orbit is

(1) 25 h/π

(2) 1.0 h/π

(3) 10 h/π

(4) 2.5 h/π

Solution:

n = 5

So angular momentum, = nh/2π

= 5h/2π

= 2.5 h/π

Hence option (4) is the answer.