



Chapter : GRAVITATION

Assignment 1

Class 11

20. An earth satellite of mass m revolves in a circular orbit of a height h from the surface of the earth. R is the radius of the earth and g is acceleration due to gravity at the surface of the earth. The velocity of the satellite in the orbit is given by

a) $\frac{gR^2}{R+h}$

b) gR

c) $\frac{gR}{R+h}$

d) $\sqrt{\frac{gR^2}{R+h}}$

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