

Most Repeated Questions in JEE Main Physics from Dimensions

Q: The pair of physical quantities not having the same dimensions is:

- (a) Angular momentum and Planck's constant
- (b) Torque and energy
- (c) Surface tension and impulse
- (d) Pressure and Young's modulus

Q: The position of a particle moving on x-axis is given by $x(t) = A \sin t + B \cos^2 t + Ct^2 + D$, where t is time. The dimension of ABC/D is

Q: If B is magnetic field and μ_0 is permeability of free space, then the dimensions of (B/μ_0) is)

Q: The de-Broglie wavelength associated with a particle of mass m and energy E is $h/\sqrt{2mE}$.
The dimensional formula for Planck's constant is:

Q: If ϵ_0 is the permittivity of free space and E is the electric field, then $\epsilon_0 E^2$ has the dimensions:

Q: The dimensional formula of latent heat is :

Q: What is the dimensional formula of $a b^{-1}$ in the equation $(P + a/V^2)(V - b) = RT$, where letters have their usual meaning

Q: If the velocity of light c , universal gravitational constant G and planck's constant h are chosen as fundamental quantities. The dimensions of mass in the new system is :

Q: