

ARJUNA (NEET)

Units and Measurements

DPP-02

- The dimensional formula of torque is
(A) $[ML^2T^{-2}]$ (B) $[MLT^{-2}]$
(C) $[ML^{-1}T^{-2}]$ (D) $[ML^{-2}T^{-2}]$
- If C and R denote capacitance and resistance, the dimensional formula of CR is
(A) $[M^0L^0T^1]$
(B) $[M^0L^0T^0]$
(C) $[M^0L^0T^{-1}]$
(D) not expressible in terms of MLT.
- The dimensional formula of angular momentum is
(A) $[ML^2T^{-2}]$ (B) $[ML^{-2}T^{-1}]$
(C) $[MLT^{-1}]$ (D) $[ML^2T^{-1}]$
- Dimensions of stress are
(A) $[MLT^{-2}]$ (B) $[ML^2T^{-2}]$
(C) $[ML^0T^{-2}]$ (D) $[ML^{-1}T^{-2}]$
- The pair of quantities having same dimensions is
(A) Impulse and Surface Tension
(B) Angular momentum and Work
(C) Work and Torque
(D) Young's modulus and Energy
- Select the pair whose dimensions are same
(A) Pressure and stress
(B) Stress and strain
(C) Pressure and force
(D) Power and force
- $[M^{-1}L^3T^{-2}]$ is the dimensional formula of:
(A) Gravitational constant
(B) Planck's constant
(C) Surface tension
(D) Modulus of rigidity
- Dimensional formula $[ML^{-1}T^{-2}]$ does not represent the physical quantity
(A) Young's modulus of elasticity
(B) stress
(C) Strain
(D) Pressure
- Which of the following is not a dimensionless physical quantity?
(A) coefficient of friction
(B) strain
(C) Stress
(D) Ratio of wavelength of two wave
- Which of the following is dimensionless physical quantity?
(A) Refractive index
(B) Poisson ratio
(C) Intensity of light
(D) Energy density
- Which of the following have unit but does not have dimension?
(A) Strain (B) Speed of Ramlal
(C) Angle (D) Height of Kallu.

ANSWERS

1. (A)
2. (C)
3. (D)
4. (D)
5. (C)
6. (A)
7. (A)
8. (C)
9. (C)
10. (A)
11. (C)



Note - If you have any query/issue

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