

(EPC01-0016M)

- Which of the following quantities has not been expressed in proper units:
 - A) Young's Modulus = Nm^{-2}
 - B) Surface tension = Nm^{-1}
 - C) Pressure = Nm^{-2}
 - D) Energy = kgms^{-1}

(EPC01-0017E)

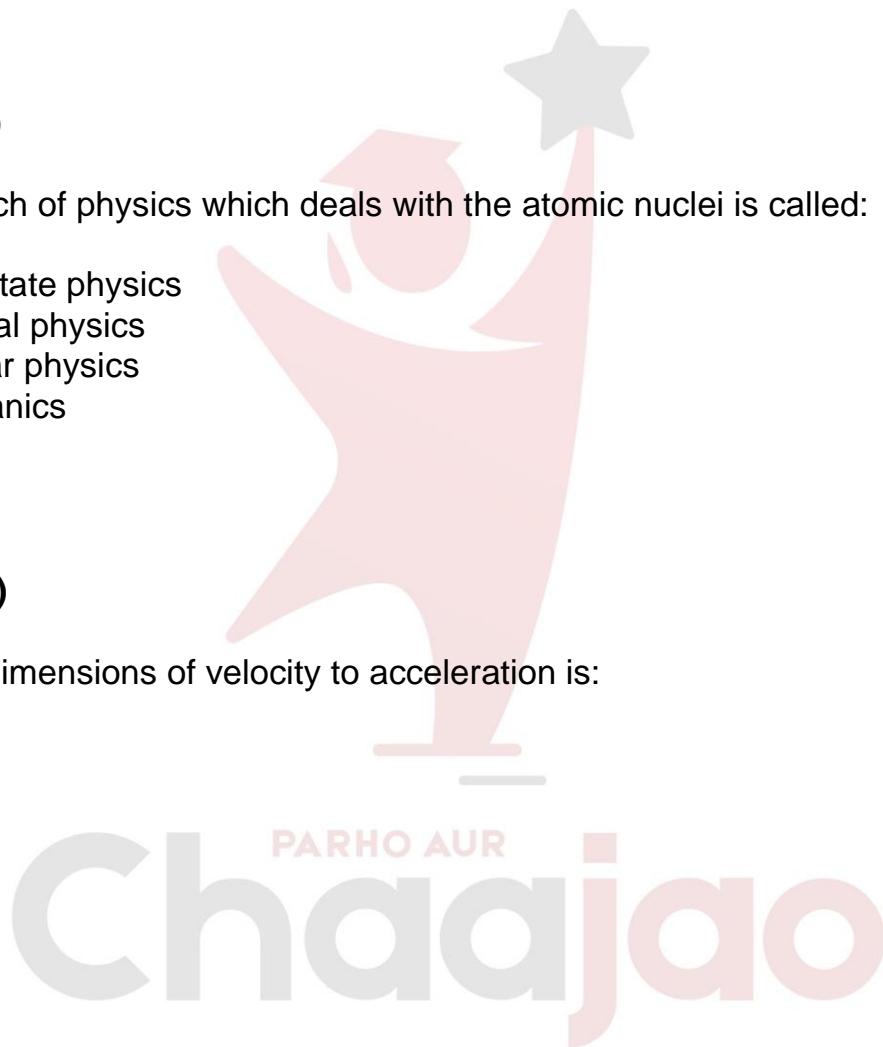
- The branch of physics which deals with the atomic nuclei is called:
 - A) solid state physics
 - B) medical physics
 - C) nuclear physics
 - D) mechanics

(EPC01-0018M)

- Ratio of dimensions of velocity to acceleration is:
 - A) $[\text{LT}^{-1}]$
 - B) $[\text{T}]$
 - C) $[\text{L}]$
 - D) $[\text{LT}^{-2}]$

(EPC01-0019E)

- Radian is unit of:
 - A) Plane angle
 - B) Solid angle
 - C) Area
 - D) Radius



(EPC01-0020E)

- The fundamental quantities which form the base for the SI system are:
 - A) mass, energy and time
 - B) mass, force and time
 - C) mass, length and time
 - D) force, length and time

(EPC01-0021M)

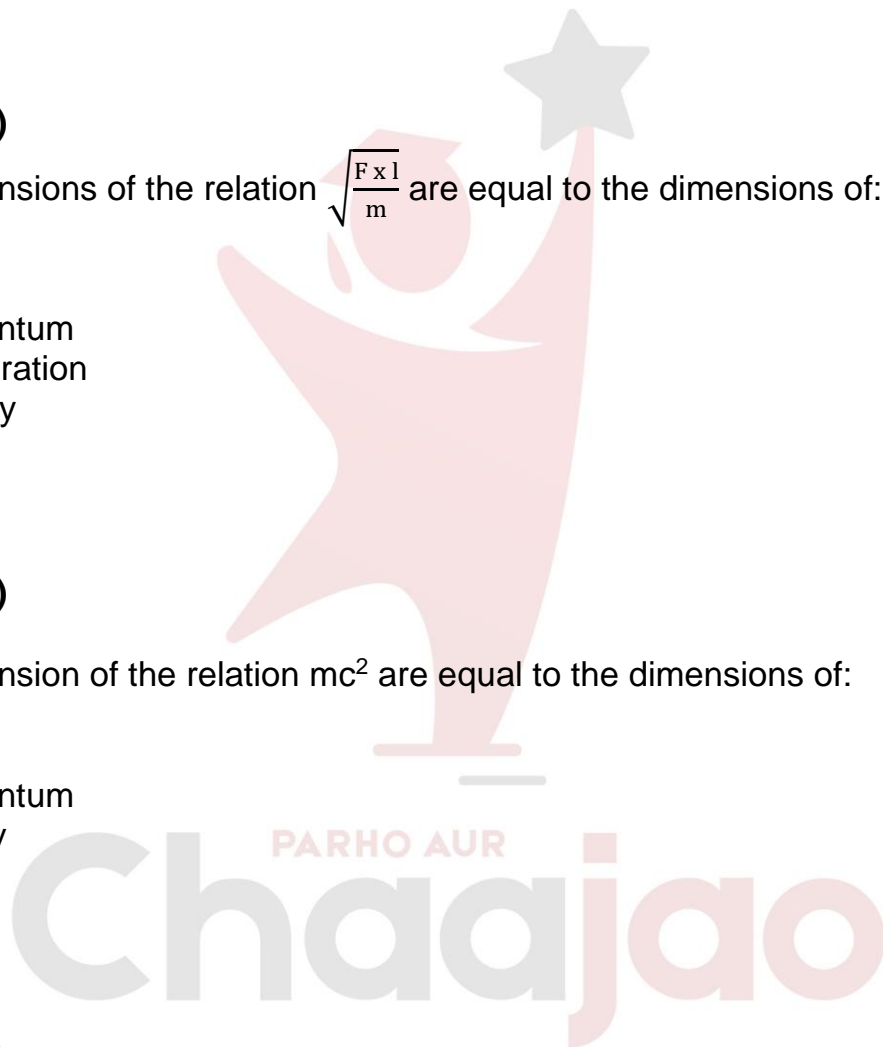
- The dimensions of the relation $\sqrt{\frac{F \times l}{m}}$ are equal to the dimensions of:
 - A) force
 - B) momentum
 - C) acceleration
 - D) velocity

(EPC01-0022M)

- The dimension of the relation mc^2 are equal to the dimensions of:
 - A) force
 - B) momentum
 - C) energy
 - D) torque

(EPC01-0023M)

- $M^0L^0T^{-1}$ refer to quantity:
 - A) velocity
 - B) time period
 - C) frequency
 - D) force



(EPC01-0024E)

- Which is not a base unit?
A) meter
B) ampere
C) candela
D) radian

(EPC01-0025M)

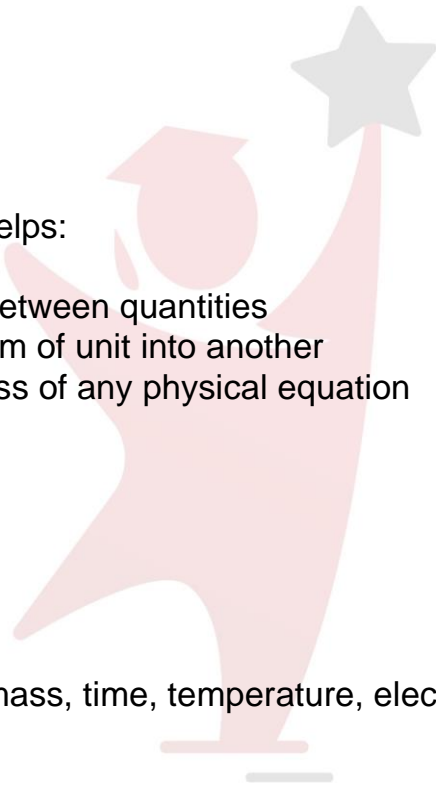
- Dimensional analysis helps:
A) to find relationship between quantities
B) to convert one system of unit into another
C) to confirm correctness of any physical equation
D) all of the above

(EPC01-0026E)

- Quantities like length, mass, time, temperature, electric current and intensity of light are
A) Basic quantities
B) Physical quantities
C) Derived quantities
D) Specified quantities

(EPC01-0027E)

- The S.I. unit of electric current is
A) Mole
B) Ampere
C) Candela
D) Kelvin



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(EPC01-0028E)

- The S.I. unit of temperature is
 - A) Mole
 - B) Ampere
 - C) Candela
 - D) Kelvin

(EPC01-0029E)

- The S.I. unit of mass is
 - A) Kg
 - B) gm
 - C) lbs
 - D) Slug

(EPC01-0030E)

- The S.I. unit of amount of substance is
 - A) Meter
 - B) Kilogram
 - C) Candela
 - D) Mole



Chaajao

Answer key	
1	D
2	C
3	B
4	A
5	C
6	D
7	C
8	C
9	D
10	D
11	A
12	B
13	D
14	A
15	D

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