(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)
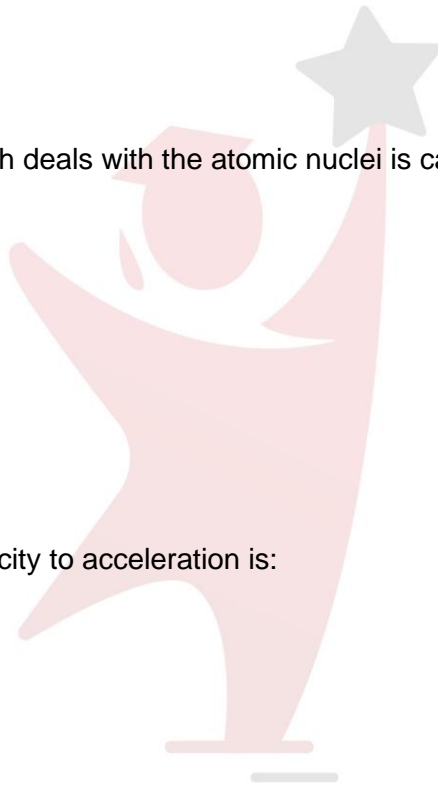
- The branch of physics which deals with the atomic nuclei is called:

  A)   solid state physics
  B)   medical physics
  C)   nuclear physics
  D)   mechanics

(EPC01-0018M)

- Ratio of dimensions of velocity to acceleration is:

  A) $[LT^{-1}]$
  B) $[T]$
  C) $[L]$
  D) $[LT^{-2}]$

(EPC01-0019E)

- Radian is unit of:

  A)   Plane angle
  B)   Solid angle
  C)   Area
  D)   Radius

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(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)
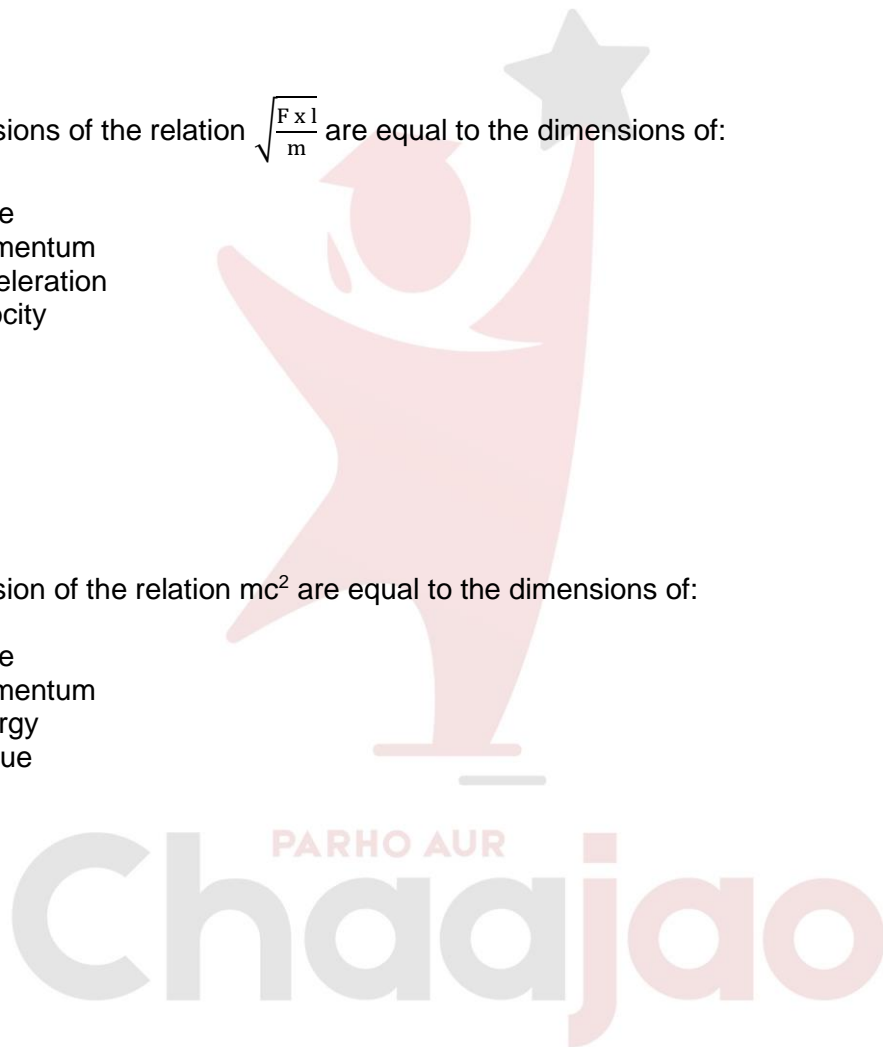
- The dimensions of the relation $\sqrt{\frac{F \times l}{m}}$ are equal to the dimensions of:

  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)

- $M^oL^oT^{-1}$ refer to quantity:

  A)   velocity
  B)   time period
  C)   frequency
  D)   force

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(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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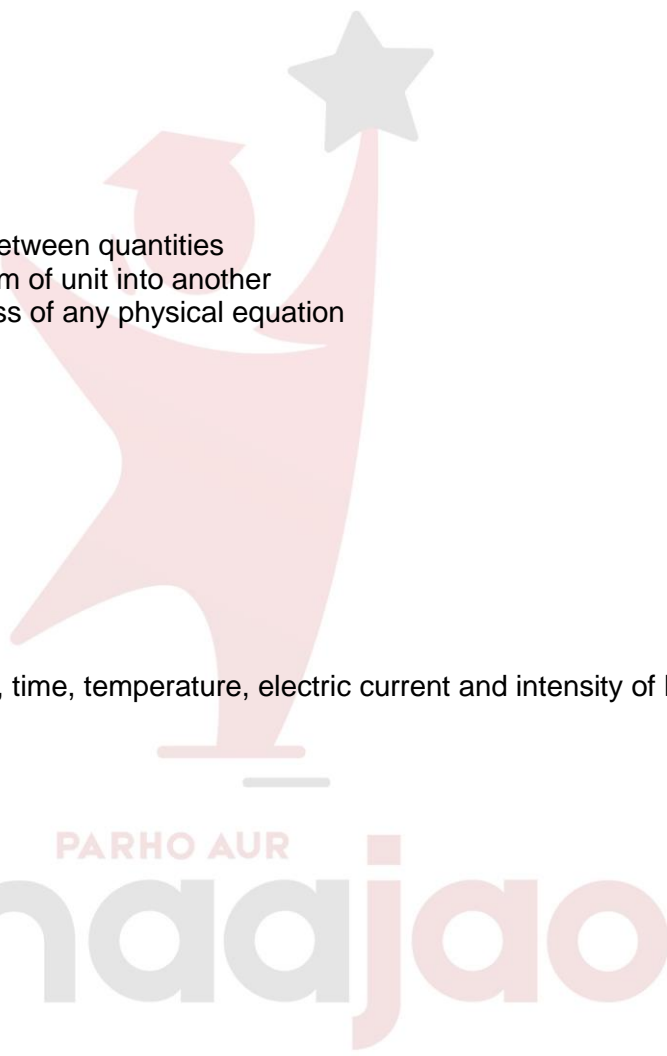
(EPC01-0028E)

- 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

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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