(EPC01-0001E)

- The branch of science which deals with the study of matter and energy and the relationship between them is called

  A) Astronomy
  B) Geology
  C) Physics
  D) Biology

(EPC01-0002M)

- Al-Shifa was written by

  A) Al-Biruni
  B) Jabir-Bin-Hayyan
  C) Al-Khawarizmi
  D) Ibn-e-Sina

(EPC01-0003M)

- Pin-hole camera was invented by

  A) Al-Beruni
  B) Ibn-Ul-Haithem
  C) Al-Khawarizmi
  D) Ibn-e-Sina

(EPC01-0004M)

- Al-Manazir is the famous book of

  A) Al-Beruni
  B) Al - Kindi
  C) Ibn-ul-Haithem
  D) Al-Khawarizmi

(EPC01-0005E)

- The quantities like length, time, mass, force, electric charge and many more are called

    A) basic quantities
    B) Physical quantities
    C) Derived quantities
    D) Specified quantities

(EPC01-0006E)

- The S.I. units consists of

    A) Five basic units
    B) Five derive units
    C) Seven derived
    D) Seven basic units

(EPC01-0007M)

- The S.I. unit of intensity of light is

    A) Meter
    B) Kilogram
    C) Candela
    D) Mole

(EPC01-0008M)

- Erg x sec is the unit of

    A) Angular momentum
    B) Linear momentum
    C) Planck's constant
    D) Energy

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(EPC01-0009M)

- Which of the following is (are) dimensionless?

  A) Refractive index
  B) Specific heat
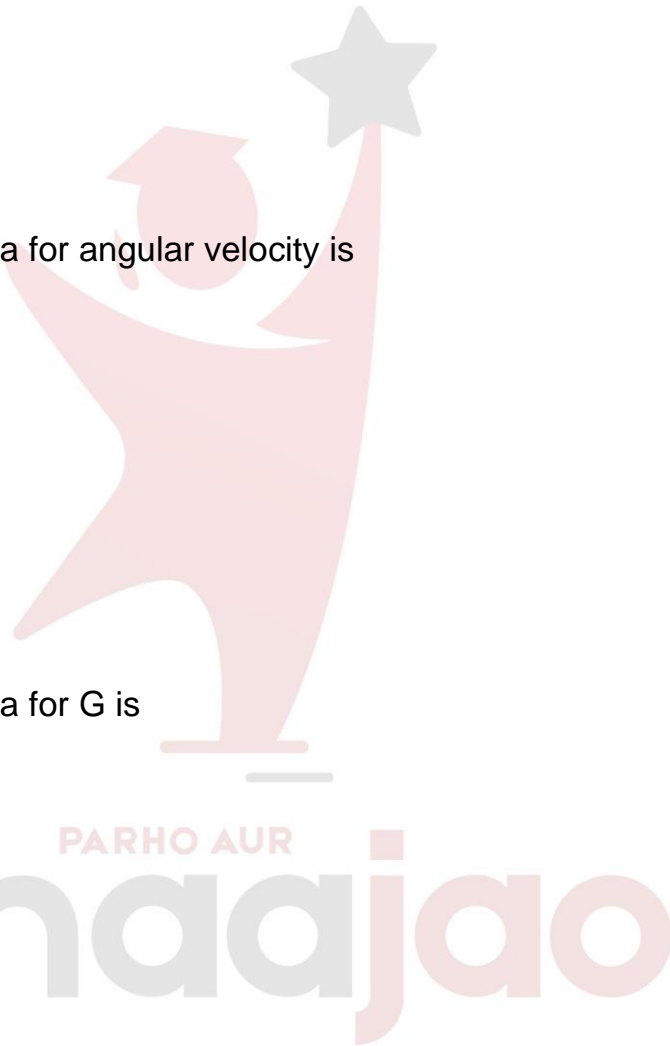 C) Universal gravitation constant
  D) Momentum

(EPC01-0010M)

- The dimensional formula for angular velocity is

  A) ML^0T^{-2}
  B) MLT^1
  C) $M^0L^0T^{-1}$
  D) $M^0L^0T^0$

(EPC01-0011M)

- The dimensional formula for G is

  A) ML^3T^{-2}
  B) $M^{-1}L^3T^{-2}$
  C) $M^{-1}L^2T^{-3}$
  D) ML^2T^{-3}

(EPC01-0012M)

- The dimensional formula for potential difference is

  A) $ML^2T^{-3}I^{-1}$
  B) $M^2LT^{-3}I$
  C) $ML^2T^{-2}I^{-1}$
  D) $MLT^{-3}I^{-1}$

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(EPC01-0013M)

- The dimensional formula for resistance is

  A) $ML^2T^{-3}I^{-1}$
  B) $ML^2T^{-2}I^{-2}$
  C) $ML^2T^{-3}I^{-2}$
  D) $MLT^{-3}I^{-2}$

(EPC01-0014M)

- The dimensional formula for inductance is

  A) $ML^2T^{-2}I^{-1}$
  B) $ML^2T^{-2}I^{-2}$
  C) $ML^{-2}T^2I^2$
  D) $M^2L^2T^{-3}I^{-2}$

(EPC01-0015E)

- Which of the following is a derived quantity?

  A)   mass
  B)   velocity
  C)   length
  D)   time

(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

(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

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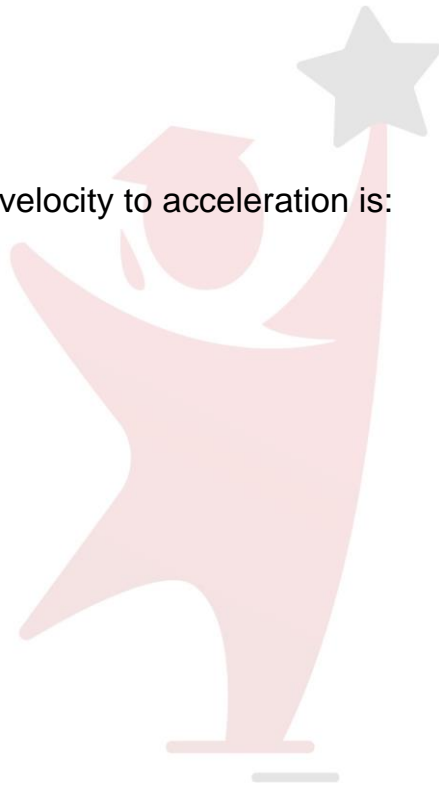
(EPC01-0021M)

- The dimensions of the relation $\sqrt{\dfrac{F \times l}{m}}$ 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

(EPC01-0024E)

- Which is not a base unit?

  A) meter
  B) ampere
  C) candela
  D) radian

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(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

Answers Key	
1	C
2	D
3	B
4	C
5	B
6	D
7	C
8	C
9	A
10	C
11	B
12	A
13	C
14	B
15	B
16	D
17	C
18	B
19	A
20	C
21	D
22	C
23	C
24	D
25	D

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