



SMART TEST SERIES

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Name:		Subject:	Physics-11
Roll # :		Unit(s):	1,
Class:	Inter Part-I	Test:	Type 1 - MCQs Test - Marks=20
Date:		Time:	

Q.1 Four possible answers A, B, C & D to each question are given. Circle the correct one. (20x1=20)

- Silicon is obtained from:
(A) Water (B) Metals (C) Wood (D) Sand
- The branch of science which deals with living things is called
(A) Chemistry (B) Biology (C) Physics (D) Geology
- Main frontier of fundamental science are:
(A) The world of extremely large objects: (B) The world of extremely small particles
(C) The world of middle sized things (D) All of the above
- SI unit of plane angle is:
(A) Radian (B) Degree (C) Steradian (D) Revolution
- An example of base quantity is:
(A) Area (B) Volume (C) Length (D) Velocity
- Which is a base quantity?
(A) Time (B) Force (C) Power (D) Velocity
- The SI unit of solid angle is:
(A) Steradian (B) Radian (C) Degree (D) Revolution
- 1 tera = _____:
(A) 10^{15} (B) 10^{18} (C) 10^{12} (D) 10^{-12}
- Physical quantity "pressure" in term of base unit is:
(A) $kgm^{-1}s^{-2}$ (B) kg^2ms^{-3} (C) [Math Processing Error] (D) $kgm^{-1}s^{-2}$
- Radian and steradian are called as:
(A) base units (B) derived units (C) supplementary units (D) fundamental units
- The term 134.7 can be written in scientific notation as:
(A) 1.347×10^2 (B) 1.347×10^3 (C) 1.347×10^1 (D) 1.347×10^4
- The percentage uncertainty in radius of a sphere is 2%. The total percentage uncertainty in the volume. Of sphere is:
(A) 2% (B) 4% (C) 6% (D) 8%
- Zero error of the instrument is a type of:
(A) Systematic error (B) Classified error (C) Personal error (D) Random error
- Error in the measurement of radius of sphere is 1%. The error in the calculated value of its volume is:
(A) 7% (B) 5% (C) 3% (D) 1%
- Significant figures in 0.0045 are:
(A) 1 (B) 3 (C) 4 (D) 2
- For total assessment of uncertainty in the final result obtained by multiplication and division:
(A) Absolute uncertainties are added (B) Fractional uncertainties are added
(C) % age uncertainties are added (D) Error are added
- The percentage uncertainty in measurement of mass and velocity are 2% and 3 %,the maximum uncertainty in the kinetic energy is:
(A) 11% (B) 8% (C) 6% (D) 1%
- Which pair has same dimensions?
(A) Work and power (B) Momentum and impulse (C) Force and torque
(D) Torque and power
- The dimensions of pressure are:
(A) $[MLT^{-2}]$ (B) $[ML^{-1}T^{-2}]$ (C) $[ML^{-1}T^{-1}]$ (D) $[ML^2T^{-2}]$
- The numerical value of constants in any formula cannot be determined by dimensional analysis, however it can be found by:
(A) Addition (B) Physical Quantities (C) Experiments (D) Uncertainty

MCQs Ans Key.

Q:1 (D)

Q:2 (B)

Q:3 (D)

Q:4 (A)

Q:5 (C)

Q:6 (A)

Q:7 (A)

Q:8 (C)

Q:9 (A)

Q:10 (C)

Q:11 (A)

Q:12 (C)

Q:13 (A)

Q:14 (C)

Q:15 (D)

Q:16 (B)

Q:17 (B)

Q:18 (B)

Q:19 (B)

Q:20 (C)