

## Physics ICS Part 1 Chapter 1 Online Test

Sr	Questions	Answers Choice
1	One kilo mean	<p>A. <math>10^3</math></p> <p>B. <math>10^{-3}</math></p> <p>C. <math>10^2</math></p> <p>D. <math>10^4</math></p>
2	The most ractive metals of the periodic table are.	<p>A. Alkali metals</p> <p>B. Alkaline metals</p> <p>C. Rare earth metals</p> <p>D. Coinage metals</p>
3	The length of steel pipe is in between 0.7 m to 0.8 m. Identify from the following. the appropriate instruemnt to be used for an accuracy of 0.001 m.	<p>A. A micrometer screw gauge</p> <p>B. A metre rule</p> <p>C. A ten meters measuring tape</p> <p>D. A vernier callipers</p>
4	Dimension of relation $mc^2$ are equal to dimension of.	<p>A. Force</p> <p>B. energy</p> <p>C. Torque</p> <p>D. Momentum</p>
5	The dimensions of acceleration are.	<p>A. <math>[LT^{-2}]</math></p> <p>B. <math>[LT^{-1}]</math></p> <p>C. <math>[LT^{-3}]</math></p> <p>D. <math>[L^{-1}T]</math></p>
6	The sum of three numbers, 2.7543, 4.10 and 1.273, up -to corrent decimal place is	<p>A. 8.13</p> <p>B. 8.12</p> <p>C. 8.1273</p> <p>D. 8.127</p>
7	A precise measurement is the one which has	<p>A. Greater precision</p> <p>B. Less precision</p> <p>C. Medium precision</p> <p>D. More % error</p>
8	Physical quantites are oftern divided into.	<p>A. two categories</p> <p>B. Three categories</p> <p>C. Four Categories</p> <p>D. Five categories</p>
9	The dimensionally correct equation of E is.	<p>A. <math>mc^2</math></p> <p>B. <math>mc</math></p> <p>C. <math>m/c</math></p> <p>D. <math>m^2c^2</math></p>
10	The sum $12\text{ kg} + 2.02\text{ kg} + 5.1\text{ kg}$ accoridng to appropriate precision is	<p>A. 19 kg</p> <p>B. 19.0 kg</p> <p>C. 19.1 kg</p> <p>D. 19.12 kg</p>
11	SI Unit of electric current.	<p>A. Mole</p> <p>B. Candela</p> <p>C. Ampere</p> <p>D. Microampere</p>
12	The number of significant figures of a measureent are define das.	<p>A. They reflect the accuracy of the observation in a measurement</p> <p>B. They are teh figures which are reasonably reliable</p> <p>C. They are the accurately known digits and the first doubtful digit of measurement</p> <p>D. All of the above</p>
13	SI Unit of force	<p>A. Newton</p> <p>B. Dyne</p> <p>C. Joule</p> <p>D. Watt</p>
14	The value 56.8546 cna be rounded off up to three significant figures.	<p>A. 56.8</p> <p>B. 56.9</p> <p>C. 56.7</p>

		D. $6.86$
15	When rounded off upto three significant figures the value 6.835 is written as.	A. $6.83$ B. $6.84$ C. $6.80$ D. $6.85$
16	Identify which pair from the following does not have identical dimension.	A. Work and torque B. Moment of inertia and moment of force C. Angular momentum and Planck's constant D. Impulse and momentum
17	For total assessment of uncertainty in the final result obtained by multiplication and division	A. Absolute uncertainties are added B. Uncertainties are multiplied C. Percentage uncertainties are added D. Errors are added
18	The time taken by the light to reach from sun to earth is.	A. 1 min - 20 sec B. 1 min - 40 sec C. 9 min - 20 sec D. 8 min - 20 sec
19	The Dimensions of moment of inertia are	A. $[ML^2]$ B. $[ML^{-2}]$ C. $[ML^3]$ D. $[ML]$
20	SI Unit of intensity of light is.	A. Mole B. Candela C. Kelvin D. Ampere