

## Physics ICS Part 1 Full Book Mcq's Online Test

| Sr | Questions                                                                                                                       | Answers Choice                                                                                                                         |
|----|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Unit of impulse is equivalent to that of.                                                                                       | A. Force<br>B. Momentum<br>C. Acceleration<br>D. Velocity                                                                              |
| 2  | The dimensional unit of impulse is.                                                                                             | A. [MLT]<br>B. [MLT <sup>-1</sup> ]<br>C. [ML <sup>-1</sup> T <sup>-1</sup> ]<br>D. [M <sup>-1</sup> L <sup>-1</sup> T <sup>-1</sup> ] |
| 3  | Change of momentum is equal to                                                                                                  | A. Force<br>B. Tension<br>C. Impulse<br>D. Pressure                                                                                    |
| 4  | The rate of change of momentum is equal to                                                                                      | A. Impulse<br>B. Torque<br>C. Velocity<br>D. Force                                                                                     |
| 5  | Kg ms <sup>-1</sup> can also be written as                                                                                      | A. Nm<br>B. Ns<br>C. Ns <sup>-1</sup><br>D. Js                                                                                         |
| 6  | A man of 5000 kg moves with an acceralation of 1 ms <sup>-2</sup> force acting on it is.                                        | A. 5 N<br>B. 500 N<br>C. 50 N<br>D. 5000 N                                                                                             |
| 7  | No body begins to move or comes to rest of itself was given by                                                                  | A. Newton<br>B. Pascal<br>C. Bernoulli<br>D. Bu Ali Sina                                                                               |
| 8  | Inertia may expressed in                                                                                                        | A. Kg<br>B. Newton<br>C. Watt<br>D. Joule                                                                                              |
| 9  | The velocity of a free falling body just before Hattin the ground is 9.8 ms <sup>-1</sup> , the height through which is fall be | A. 98 m<br>B. 19.6 m<br>C. 4.9 m<br>D. 9.8 m                                                                                           |
| 10 | An object of mass 1 kg moving with acceleration 0 1 ms <sup>-2</sup> will experience a force of.                                | A. 10 <sup>-2</sup> N<br>B. 10 <sup>-3</sup> N<br>C. 1 N<br>D. 1 dyne                                                                  |
| 11 | The mass of an object is quantitative measure 0 its                                                                             | A. Momentum<br>B. Acceleration<br>C. Inertia<br>D. Energy                                                                              |
| 12 | A mass of 1 kg is freely falling. The force of gravity is.                                                                      | A. 1 N<br>B. 9.8 N<br>C. 0.5 N<br>D. Zero                                                                                              |
| 13 | A ball is thrown up vertically, it takes 3 sec to reach maximum height. Its initial velocity is.                                | A. 10 ms <sup>-1</sup><br>B. 12.2 ms <sup>-1</sup><br>C. 15 ms <sup>-1</sup><br>D. 29.4 ms <sup>-1</sup>                               |
| 14 | Distance covered by a freely falling body is 2 seconds will be                                                                  | A. 9.8 m<br>B. 19.6 m<br>C. 44.4 m<br>D. 49 m                                                                                          |
| 15 | A bullet shot straight up, return to its starting point in 10 sec. Its initial speed was                                        | A. 9.8 ms <sup>-1</sup><br>B. 24.5 ms <sup>-1</sup><br>C. 49 ms <sup>-1</sup><br>D. 98 ms <sup>-1</sup>                                |

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|----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| 16 | When velocity time graph is a straight line parallel to time axis then            | A. Velocity is zero<br>B. Acceleration is constant<br>C. Acceleration is zero<br>D. Velocity is variable        |
| 17 | If the slope of the velocity time graph remain constant then body is moving with. | A. Uniform velocity<br>B. Negative variable acceleration<br>C. Variable acceleration<br>D. Uniform acceleration |