

## Physics ICS Part 1 Chapter 6 Online Test

Sr	Questions	Answers Choice
1	1 torr in $\text{Nm}^{-2}$ is expressed as.	A. 130.5 $\text{Nm}^{-2}$ B. 133.3 $\text{N m}^{-2}$ C. 140.2 $\text{Nm}^{-2}$ D. 135.2 $\text{Nm}^{-2}$
2	The law of conservation of energy is the basis of.	A. Stream line flow B. Equation of continuity C. Bernoulli's equation D. Venture relation
3	Let A = Area of cross section of pipe, v = speed of fluid, then 'Av' is called.	A. Volume flow rate B. Energy flow rate C. Mass flow rate D. Pressure flow rate
4	The ratio of the velocities of water in a pipe lying horizontally at two ends is 1 : 4 The ratio of diameters of pipe at these two ends is.	A. 1 : 2 B. 2 : 1 C. 1 : 4 D. 4 : 1
5	When water falls from tap, its cross sectional area decrease due to.	A. Decrease of speed B. Increase of speed C. Air pressure D. Gravity increase
6	The fluid is said to be incompressible, if its density is.	A. Zero B. Very high C. Constant D. Very small
7	If the stream lines of fluid are forced closer together then.	A. Speed of the fluid increases B. Speed of the fluid decreases C. Pressure of the fluid increases D. Speed of the fluid remain same
8	The SI units of flow rate are.	A. $\text{m}^2\text{s}^{-1}$ B. $\text{m}^3\text{s}^{-2}$ C. $\text{m}^3\text{s}^{-1}$ D. $\text{m}^2\text{s}^{-2}$
9	A fog droplets are in freely falling condition, the ratio of their radii is 2:3, the ratio of their terminal velocities will be.	A. 2:3 B. 4:6 C. 4:9 D. 9:4
10	The word Fluid means	A. To rise B. To fall C. To flow D. To oppose
11	When body acquires terminal velocity then its acceleration 'a' becomes.	A. $a = 0$ B. $a = g$ C. $a \gg 0$ D. $a \ll 0$
12	The terminal velocity of a droplet falling down under gravity is directly proportional to the square of	A. Its density B. Its radius C. Its viscosity D. Its elasticity
13	If the radius of droplet becomes half, then its terminal velocity will become.	A. Double B. Half C. One fourth D. Remains same
14	The dimension of viscosity are	A. $[\text{M}^2\text{L}^{-2}\text{T}^2]$ B. $[\text{M}^{-1}\text{L}\text{T}^{-1}]$ C. $[\text{M}^{-1}\text{L}^{-1}\text{T}]$ D. $[\text{ML}^{-1}\text{T}^{-1}]$
15	The unit of coefficient of viscosity in S.I system	A. $\text{Kg}^{-1} \text{ms}^{-1}$ B. $\text{Kg m}^{-1} \text{s}^{-1}$ C. $\text{kg}^{-1} \text{m}^{-1}$ D. $\text{Kg ms}^{-1}$

16	Stoke's law holds for bodies having.	A. Spherical shape B. Oblong shape C. Rectangular shape D. All shapes
17	Which material has maximum viscosity	A. Glycerin B. Plasma C. Methanol D. Water