

Physics ICS Part 1 Chapter 5 Online Test

Sr	Questions	Answers Choice
1	A person standing near a fast moving train can fall	<p>A. Remains stationary</p> <p>B. No Effect</p> <p>C. Away from train</p> <p>D. Towards train</p>
2	An object moving in a fluid experience a retarding force called	<p>A. Drag force</p> <p>B. Gravitational force</p> <p>C. Horizontal force</p> <p>D. Centripetal force</p>
3	When stress is increased beyond elastic limit and material is permanently changed this property is.	<p>A. Elasticity</p> <p>B. Permanent stress</p> <p>C. Yield strength</p> <p>D. Plasticity</p>
4	Law of conservation of mass gives us the equation of	<p>A. Rate of flow</p> <p>B. Continuity</p> <p>C. Terminal velocity</p> <p>D. Drag force</p>
5	A solid in which there is no regular arrangement of molecules is called.	<p>A. Crystalline</p> <p>B. Amorphous</p> <p>C. Copper</p> <p>D. None of these</p>
6	Which of the following is a defining characteristic of a superfluid.	<p>A. Zero Viscosity</p> <p>B. Infinite density</p> <p>C. Zero temperature</p> <p>D. Infinite thermal conductivity</p>
7	Pressure will be low where speed of fluid is.	<p>A. High</p> <p>B. Low</p> <p>C. Constant</p> <p>D. Zero</p>
8	The force required to slide one layer over another layer of liquid is measured by	<p>A. Velocity</p> <p>B. Viscosity</p> <p>C. Acceleration</p> <p>D. Momentum</p>
9	An incompressible fluid having no viscosity is called.	<p>A. Viscous</p> <p>B. Ideal Fluid</p> <p>C. Real</p> <p>D. Non-Viscous</p>
10	The S.I Unit of Modulus of elasticity is.	<p>A. Coulomb</p> <p>B. Pascal</p> <p>C. Ampere</p> <p>D. None of these</p>
11	Law of conservation of energy is on the basis of.	<p>A. Bernoulli's theorem</p> <p>B. Venturi relation</p> <p>C. Stoke's law</p> <p>D. Equation of continuity</p>
12	The ability of a body to return to its original shape is called	<p>A. Plasticity</p> <p>B. Elasticity</p> <p>C. Strain</p> <p>D. Stress</p>
13	Fog droplets fall downwards with terminal velocity its acceleration will	<p>A. Less than g</p> <p>B. Greater than g</p> <p>C. Equal to g</p> <p>D. Equal to zero</p>
14	The region of stress-strain curve which obeys Hooke's law is.	<p>A. Proportional Limit</p> <p>B. Elastic region</p> <p>C. Plastic region</p>

		<p>σ</p> <p>D. σ_y</p>
15	When stress changes the shape then it is called.	<p>A. Shear stress</p> <p>B. Tensile stress</p> <p>C. Compressive stress</p> <p>D. Volumetric stress</p>
16	The strain due to tensile stress is	<p>A. Compressive strain</p> <p>B. Shear strain</p> <p>C. Tensile strain</p> <p>D. Volumetric strain</p>
17	The SI Unit of modulus of elasticity is.	<p>A. Coulomb</p> <p>B. Pascal</p> <p>C. Ampere</p> <p>D. None of these</p>
18	If a stone is submerged in water and it weight less in water than in air, this phenomenon is due to.	<p>A. The reduction of mass in water</p> <p>B. Increase of density in water</p> <p>C. Buoyant force action upwards</p> <p>D. The gravitational force acting downward</p>
19	The viscosity of the gas with increase in temperature	<p>A. Increase</p> <p>B. Decrease</p> <p>C. Remain same</p> <p>D. Sometimes increases and sometimes decrease</p>
20	The viscosity of liquid with rise in temperature.	<p>A. Increases</p> <p>B. Decreases</p> <p>C. Remain same</p> <p>D. Moderate</p>