

Physics ICS Part 1 Chapter 5 Online Test

Sr	Questions	Answers Choice
1	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>
2	The lift force experienced by an aeroplane wings is primarily due to.	<p>A. Viscosity of air</p> <p>B. Density of air</p> <p>C. Pressure difference above and below the wing</p> <p>D. Gravitational force</p>
3	As per law of fluid friction for steady streamline flow, the friction.	<p>A. Varies proportionally to velocity of fluid</p> <p>B. Varies inversely proportional to pressure</p> <p>C. Does not depend on pressure</p> <p>D. First increase then decreases</p>
4	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>
5	The maximum stress that a body can tolerate is called.	<p>A. UTS</p> <p>B. Permanent stress</p> <p>C. Elastic strength</p> <p>D. Plastic stress</p>
6	Which of the following is a crystalline solid	<p>A. NaCl</p> <p>B. Copper</p> <p>C. zirconia</p> <p>D. All of these</p>
7	A 10 m high tank is full of water. A hole appears at its middle the speed will be.	<p>A. 5 m/sec</p> <p>B. 9.9 m/sec</p> <p>C. 9.8 m/sec</p> <p>D. 5.11 m/sec</p>
8	The pressure will be how when speed of fluid is.	<p>A. High</p> <p>B. Zero</p> <p>C. Low</p> <p>D. Constant</p>
9	The effect of decrease of pressure with the increase in speed of a fluid in horizontal pipe is	<p>A. Torricelli's effect</p> <p>B. Bernoulli's Effect</p> <p>C. Venturi's effect</p> <p>D. Doppler's effect</p>
10	The Stokes law holds for.	<p>A. Motion is free space</p> <p>B. Motion in viscous medium</p> <p>C. Motion on horizontal surface</p> <p>D. Motion of all type</p>
11	The viscosity of liquid with rise in temperature.	<p>A. Increases</p> <p>B. Decreases</p> <p>C. Remain same</p>

		D. <p>Moderate</p>
12	Which of the following is polymer solid W	A. <p>Wood</p> <p>W</p> B. <p>Glass</p> C. <p>Sodium Chloride</p> <p>S</p> D. <p>Copper</p> <p>C</p>
13	The strain due to tensile stress is	A. <p>Compressive strain</p> B. <p>Shear strain</p> C. <p>Tensile strain</p> D. <p>Volumetric strain</p>
14	If the radius of droplet becomes half, then its terminal velocity will be.	A. <p>Half</p> B. <p>Double</p> C. <p>One fourth</p> D. <p>Four times</p>
15	The viscosity of the gas with increase in temperature	A. <p>Increase</p> B. <p>Decrease</p> C. <p>Remain same</p> D. <p>Sometimes increases and sometimes decrease</p>
16	The substance which undergoes plastic deformation until break is.	A. <p>Ductile</p> B. <p>Hard</p> C. <p>Soft</p> D. <p>Brittle</p>
17	The ratio of stress to volumetric strain is called	A. <p>Shear Modulus</p> B. <p>Bulk Modulus</p> C. <p>Young's Modulus</p> D. <p>Modulus of elasticity</p>
18	In drag force increases as the speed of object	A. <p>Increase</p> B. <p>Decrease</p> C. <p>Has no effect</p> D. <p>Moderate</p>
19	The force required to slide one layer over another layer of liquid is measured by	A. <p>Velocity</p> B. <p>Viscosity</p> C. <p>Acceleration</p> D. <p>Momentum</p>
20	The stress changes the length of a body it is called.	A. <p>Tensile Strain</p> B. <p>Shear stress</p> C. <p>Compressive stress</p> D. <p>Yield stress</p>