

Physics ICS Part 1 Chapter 5 Online Test

| Sr | Questions | Answers Choice |
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| 1 | An incompressible fluid having no viscosity is called. | <p>A. <input type="checkbox"/> Viscous</p> <p>B. <input checked="" type="checkbox"/> Ideal Fluid</p> <p>C. <input type="checkbox"/> Real</p> <p>D. <input type="checkbox"/> Non-Viscous</p> |
| 2 | Value of stress beyond which body is permanently deformed is called. | <p>A. <input type="checkbox"/> Yield stress</p> <p>B. <input type="checkbox"/> Maximum stress</p> <p>C. <input checked="" type="checkbox"/> Minimum stress</p> <p>D. <input type="checkbox"/> Shear stress</p> |
| 3 | speed of fluid flow is measured by | <p>A. <input checked="" type="checkbox"/> Sphygmomanometer</p> <p>B. <input type="checkbox"/> Barometer</p> <p>C. <input type="checkbox"/> Hydrometer</p> <p>D. <input type="checkbox"/> Venturi Meter</p> |
| 4 | The lift force experienced by an aeroplane wings is primarily due to. | <p>A. <input type="checkbox"/> Viscosity of air</p> <p>B. <input type="checkbox"/> Density of air</p> <p>C. <input checked="" type="checkbox"/> Pressure difference above and below the wing</p> <p>D. <input type="checkbox"/> Gravitational force</p> |
| 5 | Which of the following is polymer solid | <p>A. <input type="checkbox"/> Wood</p> <p>B. <input type="checkbox"/> Glass</p> <p>C. <input type="checkbox"/> Sodium Chloride</p> <p>D. <input type="checkbox"/> Copper</p> |
| 6 | The pressure will be how when speed of fluid is. | <p>A. <input checked="" type="checkbox"/> High</p> <p>B. <input type="checkbox"/> Zero</p> <p>C. <input type="checkbox"/> Low</p> <p>D. <input type="checkbox"/> Constant</p> |
| 7 | The substance which undergo plastic deformation until break is. | <p>A. <input type="checkbox"/> Ductile</p> <p>B. <input type="checkbox"/> Hard</p> <p>C. <input type="checkbox"/> soft</p> <p>D. <input checked="" type="checkbox"/> Brittle</p> |
| 8 | When weight and drag force become equal then velocity of the body is. | <p>A. <input type="checkbox"/> Minimum velocity</p> <p>B. <input checked="" type="checkbox"/> Terminal velocity</p> <p>C. <input type="checkbox"/> Variable velocity</p> <p>D. <input type="checkbox"/> All of above</p> |
| 9 | The effect of decrease in pressure with increase in speed of fluid is. | <p>A. <input checked="" type="checkbox"/> Torricelli effect</p> <p>B. <input type="checkbox"/> Venturi effect</p> <p>C. <input type="checkbox"/> Photoelectric effect</p> <p>D. <input type="checkbox"/> Bernoulli's effect</p> |
| 10 | When stress changes the shape then it is called. | <p>A. <input checked="" type="checkbox"/> Shear stress</p> <p>B. <input type="checkbox"/> Tensile stress</p> <p>C. <input type="checkbox"/> Compressive stress</p> <p>D. <input type="checkbox"/> Volumetric stress</p> |
| 11 | In medical field, a venture mask used to deliver a known oxygen concentration to patients operates is based on. | <p>A. <input type="checkbox"/> Newton's third law</p> <p>B. <input type="checkbox"/> Archimedes principle</p> <p>C. <input type="checkbox"/> Pascal's law</p> <p>D. <input checked="" type="checkbox"/> Bernoulli's</p> |
| 12 | As per law of fluid friction for steady streamline flow, the friction. | <p>A. <input type="checkbox"/> Varies proportionally to velocity of fluid</p> <p>B. <input type="checkbox"/> Varies inversely proportional to pressure</p> |

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| | | <p>C. ρ Does not depend on pressure</p> <p>D. ρ First increase then decreases</p> |
| 13 | The unsteady flow of fluid is called. | <p>A. Turbulent</p> <p>B. ρ Fast</p> <p>C. ρ Regular</p> <p>D. Streamline</p> |
| 14 | The product of cross sectional area of the pipe and the fluid speed at any point is. | <p>A. Negative</p> <p>B. Zero</p> <p>C. Constant</p> <p>D. Variable</p> |
| 15 | The pressure exerted by a column of mercury 76 cm high and at 0°C is called T | <p>A. ρ atm</p> <p>B. ρ 1Nm^{-3}</p> <p>C. ρ 1 Pascal</p> <p>D. ρ 1cm^{-2}</p> |
| 16 | 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> |
| 17 | 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> |
| 18 | Venturimeter is used to measure. | <p>A. Volume of fluid</p> <p>B. Mass of fluid</p> <p>C. Speed of fluid</p> <p>D. Pressure fluid</p> |
| 19 | The Stokes law holds for. T | <p>A. ρ Motion is free space</p> <p>B. ρ Motion in viscous medium</p> <p>C. ρ Motion on horizontal surface</p> <p>D. ρ Motion of all type</p> |
| 20 | 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> |