

Physics ICS Part 1 Chapter 5 Online Test

Sr	Questions	Answers Choice
1	The stress changes the length of a body it is called.	<p>A. Tensile Strain</p> <p>B. Shear stress</p> <p>C. Compressive stress</p> <p>D. Yield stress</p>
2	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>
3	Fog droplet fall down 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>
4	In medical field, a venturi mask used to deliver a known oxygen concentration to patients operates is based on.	<p>A. Newton's third law</p> <p>B. Archimedes principle</p> <p>C. Pascal's law</p> <p>D. Bernoulli's thermal conductivity</p>
5	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>
6	The Stokes law holds for. T	<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>
7	In drag force increase as the speed of object	<p>A. Increase</p> <p>B. Decrease</p> <p>C. Has no effect</p> <p>D. Moderate</p>
8	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>
9	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>
10	Which of the following is more elastic w	<p>A. Rubber</p> <p>B. Wood</p> <p>C. Steel</p> <p>D. Sponge</p>
11	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>
12	The fundamental equation in fluid dynamics that relates to pressure, speed and height is.	<p>A. Bernoulli's equation</p> <p>B. Continuity equation</p> <p>C. Energy equation</p> <p>D. Force equation</p>
13	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>

14 When stress changes the shape then it is called.

- A. Shear stress
- B. Tensile stress
- C. Compressive stress
- D. Volumetric stress

15 The maximum stress that a body can tolerate is called.

- A. UTS
- B. Permanent stress
- C. Elastic strength
- D. Plastic stress

16 The smooth or steady flow of fluid is called.

- A. Simple flow
- B. Turbulent flow
- C. Laminar
- D. Irregular flow

17 The unsteady flow of fluid is called.

- A. Turbulent
- B. Fast
- C. Regular
- D. Streamline

18 The ratio of stress to volumetric strain is called

- A. Shear Modulus
- B. Bulk Modulus
- C. Young's Modulus
- D. Modulus of elasticity

19 Law of conservation of mass gives us the equation of

- A. Rate of flow
- B. Continuity
- C. Terminal velocity
- D. Drag force

20 When weight and drag force become equal then velocity of the body is.

- A. Minimum velocity
- B. Terminal velocity
- C. Variable velocity
- D. All of above