

PPSC Physics Topic 2 Structural Properties of Matter

Sr	Questions	Answers Choice
1	The surface of a liquid is somewhat similar to a stretched membrane because.	A. There is an elastic stress in the surface B. Tension in the surface increases if the area is increased C. The surface has a natural tendency to contract D. Ripples can be produced on the surface
2	A structure that is intermediate between order and disorder is.	A. glassy solids B. Polymeric solids C. Amorphous solids D. Crystalline solids
3	A solid in which there is no regular arrangement of molecules.	A. Amorphous solids B. Glassy solids C. Crystalline solids D. Polymerization
4	The proportion of crystalline to amorphous regions in a polymer depends on its	A. Chemical composition B. Molecular arrangement C. Physical state D. Chemical composition and molecular arrangement
5	The design of an airfoil uses	A. Archimedes principle B. Bernouli's principle C. Pascal law D. Hooke's law
6	Crystalline solids are of.	A. Short range order B. Long range order C. Intermediate range D. Plastics
7	The strength per unit volume of a solid is called.	A. shear stress B. Shear strain C. Bulk strength D. Bulk modulus
8	Venturimeter is a device used to measure	A. Density of a fluid B. Speed of a fluid C. Pressure of a fluid D. Viscosity of a fluid
9	Birds planes and boats are streamlined to reduce	A. Turbulence B. Thrust C. Drag D. Lift
10	The lowest stress at which strain increases in stress is called.	A. elastic limit B. Plastic limit C. Yield point D. Bulk strength
11	Highly conducting state of matter is	A. Conductors B. Plasma C. Semiconductors D. Insulators
12	Viscosity in fluid refers to	A. The density of a fluid B. the compressibility of a fluid C. Tangential force exerted on solid surface by the flowing fluid D. Normal forces exerted on solid surface by the following fluid
13	Amorphous solids are also called.	A. Crystalline solids B. Glassy solids C. Polymeric solids D. Polymers
14	When the deforming force applied on a body produces change in shape, then it is said to be	A. Tensile stress B. Compression stress C. Shear stress D. ...

		D. Shear modulus
15	The smooth and steady streamline flow is known as	A. Turbulent flow B. Laminar flow C. Regular flow D. Irregular flow
16	A cube with sides 2 cm long is made from a material of density 8 g cm^{-3} What is the density of the block is.	A. 0.2 g cm^{-3} B. 0.5 g cm^{-2} C. 2 g cm^{-3} D. 5 g cm^{-3}
17	The Pressure will be low where the speed of the fluid is	A. Zero B. High C. Low D. Constant
18	The buoyancy depends upon the	A. Depth to which the body is immersed B. Shape of the body C. Mass of the body D. Mass of the liquid displaced
19	A spring obeying Hooke's law has an unstretched length 50 mm and a spring constant of 400 N m^{-1} What is the tension in the spring when its overall length is 70 mm.	A. 8 N B. 28 N C. 160 N D. 400 N
20	The terminal velocity in case of spherical droplet is directly proportional to.	A. Square of the radius of the droplet B. Radius of the droplet C. Cube of the radius of the droplet D. Half of the Radius of the droplet half