

PPSC Physics Chapter 2 Structural Properties of Matter

Sr	Questions	Answers Choice
SI	Questions	
1	Powder clings to the face due to	A. Compression B. Capillary action C. Cohesion D. Adhesion
2	Amorphous solids are also called.	A. Crystalline solids B. Glassy solids C. Polymeric solids D. Polymers
3	Any alternations product in shape length of volume where a body is subjected to some external force is called	A. Deformation B. Polymerization C. Crystallization D. Elasticity
4	The force that moves a rocket or a plane forward is called.	A. Lift B. drag C. Thrust D. Turbulence
5	If the cross sectional area of the pipe decreases the speed of the fluid increase according to.	A. Venturi relation B. Bernoulli's equation C. Equation of continuity D. Torriculli's theroem
6	The dimensions of viscosity are	A. [MLT-1] B. [MT-2] C. [ML-1T-1] D. [ML2T-1]
7	Drag force between two layers under consideration depends on	A. Distance between the layers B. Surface area of layers C. Relevant velocity between them D. All of the above
8	Which of the substances is the lightest one.	A. Copper B. Mercury C. Aluminium D. Lead
9	A small and a large rain drops are falling thgouth all.	A. Large drop falls faster B. Both move with same velocity C. Small drop falls faster D. Small drop does not fall
10	The venturimeter is an instrument used for measuring the	A. Viscosity of a liquid B. Flow speed of a liquid C. Compressibility of a fluid D. Specific gravity of a liquid
11	Which of the following is mechanical property of a material.	A. Strength B. Stiffness C. Ductility D. All of these
12	A tin film of liquid is enclosed between two glass plates it is difficult to spates the plates on account of.	A. Surface tension B. Atmospheric pressure C. Viscosity D. Friction
13	The smooth and steady streamline flow is known as	A. Turbulent flow B. Laminar flow C. Regular flow D. Irregular flow
14	A spring obeying Hooke's law has an upstretched length 50 mm and a spring constant of 400 N m-1 What is the tension in the spriing when its overall length is 70 mm.	A. 8 N B. 28 N C. 160 N D. 400 N
15	A bodybuilders uses a chest expander with five springs it takes a force of 20 N to Pallone spring out by 15 cm how much force will be needed to extend the expander by 15 cm.	A. 50 N B. 75 N C. 150 N D. 1000 N

16	A tank 3 m long 1 m wide and 0.5 m deep is filled with oil which weight 12,000 N . The pressure on the base of the tank due to oil is.	A. 1,000 Pa B. 4,000 Pa C. 3,000 Pa D. 6,000 Pa
17	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
18	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 the area is increased C. The surface has a natural tendency to contract D. Ripples can be produced on the surface
19	If a fluid does not wet a liquid surface, the angle of contact is.	A. 90 ^o B. less than 90 ^o C. * greater than 180 ^o D. between 90 ^o and 180 ^o
20	Birds planes and boats are streamlined to reduce	A. Turbulence B. Thrust C. Drag D. Lift