

## PPSC Physics Chapter 2 Structural Properties of Matter

Sr	Questions	Answers Choice
1	The dimensions of viscosity are	A. [MLT-1] B. [MT-2] C. [ML-1T-1] D. [ML2T-1]
2	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
3	A force of 10 N acting on a certain spring produces an extension of 40 mm Two such spring are connected end to end and this double length spring is extended by 40 mm What is the strain energy.	A. 0.05 J B. 0.10 J C. 0.20 J D. 0.40 J
4	Permanent change in shape or size of a solid body without fracture resulting from the application of strained stress beyond the elastic limit is called.	A. Elastic limit     B. Plastic limit     C. elastic deformation     D. Plastic deformation
5	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
6	The air plane lift is based on	A. Archimedes principle     B. Law of conservation of momentum     C. Bernoulli's principle     D. Law of conservation of energy
7	The product of cross sectional area of the pipe and the fluid velocity at any point along the pipe is equal to.	A. Zero B. Flowrate C. A constant D. A varibale
8	The pressure change in a confined incompressible fluid is transmitted equally in all directions throughout the fluid and to the walls of the container This is.	A. Archimedes principle B. Kirchhoff's law C. Pascal's law D. Ampere's law
9	The product of velocity and cross sectional are for a liquid flowing through a pipe is a measure of the.	A. Rate of flow B. Volume of fluid C. Fluid pressure D. Fluid friction
10	The Pressure will be low where the speed of the fluid is	A. Zero B. High C. Low D. Constant
11	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
12	Powder clings to the face due to	A. Compression B. Capillary action C. Cohesion D. Adhesion
13	The viscosity of an ideal fluid is	A. Infinity B. Unity C. Zero D. 0.5
14	For which position, will the maximum blood pressure in the body have the smallest value.	A. Standing up right     B. Sitting relaed     C. Lying horizontally     D. Standing on one's head
15	The ratio of stress to strain is called.	A. Bulk modulus B. Young's modulus C. Modulus of elasticity

		D. Shear modulus
16	The rate of which blood is delivered to the patient in a transfusion depends on	A. Hight of the blood level in the suspended container B. Volume of the container C. Shape of the container D. Material of the container
17	The air pressure at the bottom of an air foiling motion is	A. Greater than that on the top <div>     div&gt;     B. Equal to that on the top C. Grather than that on the top D. Zero</div>
18	a cube with sides 2 cm long is made from a material of density 8 g cm-3 What is the mass of the code	A. 4 g B. 16 g C. 32 g D. 64 g
19	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
20	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