

PPSC Physics Chapter 2 Structural Properties of Matter

Sr	Questions	Answers Choice
1	An instrument which can float in the liquid to be tested and by means of which the specific gravity of the liquid may be determined is.	A. Hydrometer B. Barometer C. Siphon D. Lactometer
2	The SI unit of modulus of elasticity us	A. N m-2 B. N m-1 C. N m D. N m -3
3	The pulsating outflow of blood from the heart by alternate systole and diastole is smoothed out by	A. The blocking action of the heart's valves B. The viscosity of the blood C. The effect of gravity D. the elasticity of the blood vessels
4	Viscosity will be maximum when	A. Water is at 20 ^o C B. Honey is at 20 ^o C C. Water is at 100 ^o C D. Milk is at 100 ^o C
5	Density of blood a	A. Equal to water B. Greater than water C. Less than water D. zero
6	Liquids with disordered structure frozen in are an example of	A. Amorphous solids B. Glassy solids C. Crystalline solids D. Polymeric molecules
7	The ratio of stress to strain is called.	A. Bulk modulus B. Young's modulus C. Modulus of elasticity D. Shear modulus
8	The SI unit of stress is	A. kg m s-2 B. kg m-1 s-2 C. N m-2 D. N m-1
9	The dimensions of stress are	A. [MLT-1] B. [ML-1 T] C. [ML-1T-1] D. [ML-1T-2]
10	If you float in water with just your nose out the average density of your body must be	A. Same as that of water B. Greater than that of water C. Less than that of water D. Zero
11	halls fall faster than rain drops due to their	A. Grater size B. Greater mass C. Greater area D. Structure
12	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
13	A hydrometer floats to a particular level in sea water in fresh water it.	A. Floats lower B. Sinks completely C. Floats higher D. Floats at the same level
14	The velocity at which laminar flow changes to turbulent flow is called.	A. Terminal velocity B. Escape velocity C. Critical velocity D. Uniform velocity
15	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
16	A structure that is intermediate between order and disorder is.	A. glassy solids B. Polymeric solids C. Amorphous solids D. Crystalline solids
17	Which of the following has maximum viscosity.	A. Oxygen B. Mercury C. Water D. Glycerine
18	A piece of weighed wood just floats in water when placed in alcohol will	A. Float lower B. Float higher C. Stay as before D. Sink
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 o and 180 ^o
20	The force applied on unit area of a body to produce any change in shape volume or length is known as.	A. Strain B. Stress C. Tensile strain D. Tensile stress