

## PPSC Physics Topic 2 Structural Properties of Matter

Sr	Questions	Answers Choice
1	balls fall faster than rain drops due to their	A. Grater size B. Greater mass C. Greater area D. Structure
2	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 surace by the following fluid
3	Rate of flow of a liquid is expressed in	A. Litre m-3 B. Litre s-1 C. Litre m-1 D. Litre s
4	The lowest stress at which strain increases in stress in called.	A. elastic limit B. Plastic limit C. Yield point D. Bulk strength
5	Which type of solid have definite melting point.	A. Crystalline solids B. Amorphous solids C. Glassy solids D. Polycrystalline solids
6	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
7	Which of the following solids exhibits only short range order.	A. Amorphous solids B. Polymeric solids C. Crystalline solids D. All of the above
8	The SI unit of modulus of elasticity us	A. N m-2 B. N m-1 C. N m D. N m -3
9	Reversible alternation of the form of dimensions of a solid body under stress and strain is called.	A. elastic limit B. Plastic limit C. elastic deformation D. Plastic deformation
10	The word amorphous means	A. With regular structure B. Without structure C. May have regular structure D. Thermoplastics
11	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
12	Crystalline solids are of.	A. Short range order B. Long range order C. Intermediate range D. Plastics
13	When a tennis balls is hit by a racket inasmuch a way that it spins as well as moves forward the velocity of the air on one side of the ball	A. Increases B. Decreases C. Remain constant D. Become zero
14	Molecules of a liquid	A. Do not vibrate about their mean position B. Are rigidly held with each other C. Have weak attractive forces D. Have strong attractive forces

15	How does viscosity affect relative motion between the liquid layers.	A. Does not affect B. Accelerates C. May accelerate or retard D. Retards
16	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. Shear modulus
17	The SI unit of strain is	A. N m <sup>-1</sup> B. N m <sup>-2</sup> C. N m D. It has no unit
18	Which of the following has maximum viscosity.	A. Oxygen B. Mercury C. Water D. Glycerine
19	At which temperature surface tension of liquid will be maximum	A. 0 °C B. 20 °C C. 30 °C D. 100 °C
20	Bernoulli's equation includes as a special case of.	A. Hook's law B. Torricelli's theorem C. Third law of motion D. Archimedes principle