PPSC Physics Chapter 2 Structural Properties of Matter

Sr	Questions	Answers Choice
1	A rectangular block has length 6 cm, width 5 cm and height 10 cm Its mass is 150 g The density of the block is	A. 0.2 g cm-3 B. 0.5 g cm-3 C. 2 g cm-3 D. 5 g cm-3
2	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
3	The maximum stress a solid material can sustain with out undergoing permanent deformation is called.	A. elastic limit B. Plastic C. elastic deformation D. Plastic deformation
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	Reversible alternation of the form of dimensions of a solid body under stress and strain is called.	A. elastic limit B. Plastic limit C. elestic deformation D. Plastic deformation
6	The strength per unit volume of a solid is called.	A. shear stress B. Shear strain C. Bulk strength D. Bulk modulus
7	If a body retains completely its altered shape and size, it is said to be	A. Perfecto elasticity B. Perfect plasticity C. Elasticity D. elastic limit
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	When the deforming force applied on a body produces change in shape, thenit is said t be	A. Tensile stress B. Compression stress C. Shear stress D. Shear modulus
10	When the deforming force applied on a body produces change in volume then it is said to be	A. Tensile stress B. Compression stress C. Shear stress D. Shear modulus
11	When the deforming force applied on a body produces change in length then it is said to be	A. Tensile stress B. compression stress C. Shear stress D. Shear modulus
12	The SI unit of strain is	A. N m-1 B. N m-2 C. N m D. It has no unit
13	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
14	The dimensions of stress are	A. [MLT-1] B. [ML-1 T] C. [ML-1T-1] D. [ML-1T-2]
15	The dimensions of strain are.	A. [MLT-2] B. [ML-1T-2] C. [ML-2T-3] D. It is a dimensionless quantity

16	The change in the dimensions of a body produced by the action of the deformation force is known as.	A. Strain B. Stress C. Tensile strain D. Tensile stress
17	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
18	The property of a material to return to it original shape and size on the removal of an external force is called.	A. Stress B. Strain C. Toughness D. Elasticity
19	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
20	The ratio of tensile stress to tensile strain is called.	A. Shear modulus B. Bulk modolus C. Young's modulus D. Elastic limit