MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	The maintaining the elastic limits of any body, the relation stress to strains is called	A. Hooke's law B. Pascal's law C. Young's law D. None of them
2	If one atom or molecule lies out each of the eight corners of a cube, it is called	A. Simple cube B. Face centered cube C. Body centered cube D. None of these
3	The substance, which exists in two or more crystal forms under different conditions is called:	A. Isomorphism Substance B. Allotropic substances C. True substances D. Polymorphous substances
4	The critical temperature of lead is	A. 1.18 K B. 4.2 K C. 3.72 K D. 7.2 K
5	The ability of body to return to its original shape is called	A. Elasticity B. Stress C. Strain D. Shear
6	The electrical conductivities of insulators are ranging from	A. 10⁻⁵to 10⁻¹⁰(Ω m) ⁻¹ B. 10⁻¹⁰to 10⁻¹⁵(Ω m) ⁻¹ C. 10⁻⁵to 10⁻¹⁵(Ω m) ⁻¹ D. 10⁻¹⁰to 10⁻²⁰(Ω m) ⁻¹
7	The value of young modulus in $Nm^{-2}$for water is	A. 70 x 10 B. 2.2 x 10⁵ C. Zero D. None of these
8	In the phenomenon of hysteresis, the magnetism and magnetizing current behaves as	A. I lags B. 1 leads B C. I & B becomes equal D. None of these
9	The modulus of elasticity can be written as	A. stress x strain B. strain/stress C. 1/2 x stress x strain D. stress/strain
10	Shear modulus for ice is	A. 1.2 B. 2.5 C. 3 D. 3.3
		A. Nm²

11	The SI unit of stress is	B. Nm C. dynesm⁻¹ D. N
12	The ultimate tensile strength is	A. Greatest stress, a material can endure B. Stress is increased beyond the yield strength C. Maximum stress, a material can with stand D. None of these
13	In a semi-conductor material, current flows due to	A. positive charge B. negative charge C. both of them D. none of them
14	In super conductors, once the current is established it exists	A. 1 day B. 30 days C. indefinitely D. None of these
15	In Insulators the conduction band is	A. Empty B. Partially filled C. Full D. None of these
16	Material with smaller hystersis loop area are best for the construction of	A. Transformer B. Core of transformer C. D.C motor D. Rectifier
17	The transition of from solid to liquid is actually from:	A. Order to disorder B. Disorder to order C. Order to order D. Disorder to disorder
18	Which of the following theory completely explain the three types of materials?	A. Bohr model of electron distribution B. Rutherford atomic model C. Pauli's exclusion principle D. energy band theory
19	Which of the modulus of elasticity is involved in compressing a rod to decrease its length?	A. Young's modulus B. Bulk modulus C. Modulus of rigidity D. None of the above
20	The current once established, does not require	A. Current source B. Source of emf C. Induced current D. None of these