MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	If the tensile force is suddenly removed from a wire then its temperature will	A. Decrease B. Increase C. Becomes zero D. Remain constant
2	The atoms molecules or ions in a crystalline solids are at room temperature	A. Motionless B. Vibrate violently C. Fixed D. Simply vibrate
3	The critical temperature of tin is	A. 1.18 K B. 4.2 K C. 3.72 K D. 7.2 K
4	Those solid which breaks soon after crossing the elastic limit are called	A. Amorphous B. Glassy solid C. Crystalline solid D. Brittle
5	The property due to which the size or shape of a lattice is not important is called	A. Cleavage B. Anisotropy C. Homogenity D. None of these
6	A wire can support a load W without breaking. It is cut into two equal parts. The maximum load that each part can support is:	A. W/4 B. W/2 C. W D. 2 W
7	When a stress changes its volume it is called	A. Tensile stress B. Shear stress C. Volume stress D. None of these
8	The amplitude of oscillation of each atom in a metallic crystal rises with the	A. rise in temperature B. decrease in temperature C. even temperature remains constant D. all of them
9	The ratio of kinetic energy to potential energy for solids is	
10	When a stress changes length, it is called the	A. compressional stress B. tensile stress C. shear stress D. any one of them
11	A wire length L and radius r is fixed at one end and force F applied another end produces an extension x The extension produced in another wire of the same material of length 2L and radius 2r by force 2F is	A. 1 B. I C. 21 D. 41
12	A hole in a semi-conductor material is treated as	A. positive charge B. negative charge C. neutral D. none of them
13	The modulus of elasticity of material does not depend upon	A. Shape B. Temperature C. Nature of material D. Impurities mixed
14	Which of the given elements is a diamagnetic material	A. Antimony B. Bismuth C. Copper D. All of these
15	Semiconductors, like Ge or Si at room temperature becomes a	A. Semiconductor B. Conductor C. Insulator D. None of these
		A. Elasticity

16	The ability of body to return to its original shape (after the force is removed) is called:	B. Ductility C. Stress D. Strain E. Any of these
17	Inspite vibrations the force which hold the atoms in their ordered form is	A. Vander vall force B. Cohesive force C. Adhesive force D. None of these
18	Which of the following pair of quantities have the same units?	A. stress, Young's modulus B. Young's modulus, bulk modulus C. Stress, bulk modulus D. All of them
19	The fractional change in volume per unit increase is pressure in called:	A. Pressure coefficient B. Volume coefficient C. Bulk modulus D. Compressibitlity
20	Shear modulus for lead is	A. 1.7 B. 4.9 C. 5.6 D. 6.2