MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	The reciprocal of bulk modulus is called:	A. Shear modulus B. Elasticity C. Young's modulus D. Compressibility
2	To make a permanent magnet, a material should have	A. hihg retentivety and small coercive force B. low retentivety and high coercive force C. low retentivety and small coercive force D. high retentivety and high coercive force
3	Each domain contains the atoms of range of	A. 10⁻¹⁰ to 10¹⁸ B. 10¹⁰ to 10¹⁶ C. 10¹² to 10¹⁷ D. 10¹² to 10¹⁶
4	Polymers are the physical combinations of carbon with:	A. Oxygen only B. Hydrogen C. Nitrogen D. All of these E. None of these
5	The area of the loop is the dissipated energy which do work against friction of domains is called	A. Current loss B. Voltage loss C. Hysteresis loss D. None of these
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	A regular, repetitive, three-dimensional pattern of points, which represent the position of molecules, atoms or ions in the crystal, is called:	A. Unit cell B. Space lattice C. Crystal D. None of these
8	The technological uses of superconductors are	A. MRI B. Magnetic levitation trains C. Faster computer chips D. All of them
9	The ultimate tensile strength of the material can be regarded as	A. Maximum strength B. Nominal strength C. No strength

		C. No strength D. None of these
10	The metals become electrically conducting due to their	A. Ductility B. Hardness C. Structure D. All of them
11	A unit set is the smallest basic structure which is:	A. One dimensional B. Two dimensional C. Three dimensional D. Four dimensional E. None of these
12	The band above the valence band is	A. Completely filled band B. Conduction band C. Forbidden energy band D. None of these
13	Bulk modulus for diamond is	A. 250 B. 540 C. 695 D. 714
14	The substances in which atoms cooperate with each other in such a way so as to exhibit a strong magnetic effect, are called	A. diamagnetic substances B. ferromagnetic substances C. paramagnetic substances D. all of them
15	Reciprocal of bulk modulus is called	A. Shear modulus B. Compressibility C. Young s modulus D. None
16	The saturation of the material reached when magnetic flux density changes from	A. Zero to minimum value B. Zero to maximum value C. Maximum to zero value D. Minimum to negative value
17	Under the elastic region, the deformation produced in the material is	A. permanent B. temporary C. either of them D. none of them
18	In a semi-conductor material, the total current is	A. only the +ve current B. only the electronic current C. sum of +ve and electronic current D. all of them
19	Shear modulus for ice is	A. 1.2 B. 2.5 C. 3 D. 3.3
20	The curie temperature of iron is called	A. 250°C B. 500°C C. 750°C D. 1000°C