MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	Super conductors are materials like	A. Alloys B. Ceramic C. Semiconductors D. a and b
2	In the hysteresis loop, when the current is reduced to zero, the material	A. does not retain magnetism B. retains not retain magnetism C. retains strong magnetism D. none of them
3	In semiconductors at 0 K the valence band is	A. Completely filled B. Partially filled C. No D. Yes
4	Experiments revealed that the ratio of the stress to the strain is a constant value for	A. different material B. all material C. a given material D. all of them
5	The forbidden energy gap in semiconductors	A. Lies just below the valence band B. Lies just above the conduction band C. Is the same as the valence band D. Lies between the valence band and conduction band
6	A rubber cord 100 cm long is elongated 1 cm by a stretching force of 0.2 N. The cross-sectional area of the cord is 0.04 cm^2. Find the Young's modulus for that rubber.	A. 0.5 N cm⁻² B. 0.05 N cm⁻² C. 50 N cm⁻² D. 500 N cm⁻²
7	The reciprocal of bulk modulus is called:	A. Shear modulus B. Elasticity C. Young's modulus D. Compressibility
8	Bulk modulus is involved when the deformation is:	A. One dimentional B. Two dimentional C. Three dimentional D. Any of these E. None of these
9	Examples of brittle substances are	A. Glass B. Copper C. Lead D. None of these
10	Ratio between total intensity of magnetic field at equator to poles is	A. 1 : 1 B. 2 : 1 C. 1 : 2 D. 1 : 4
11	The ratio of applied stress to volumetric strain is called	A. shear modulus B. Young's modulus C. Bulk modulus D. None of these
12	Donor impurities donate	A. Holes B. Electrons C. Both holes and electrons D. None of them
13	A semiconductor in its extremely pure form in known as	A. Extrinsic semiconductor B. Intrinsic semiconductor C. Both a and b D. None of these
14	Insulators are those materials which valence electrons are bound	A. Loosely B. Tightly C. Very tightly D. None of these
		A. 1

15	How many types of strain is	B. 2 C. 3 D. 4
16	The modulus of elasticity of a liquid is:	A. Zero B. 1 C. Infinity D. A value not one of those mentioned above
17	With the rise of temperature the amplitude of atoms	A. Slow down B. Fixed C. Increases D. None of these
18	Crystalline solids are also	A. Metals B. Ionic compound C. Ceramics D. All of them
19	Young's modulus for diamond is	A. 700 B. 913 C. 1100 D. 1120
20	The cores of electromagnets used for alternating currents where the specimen repeatedly undergoes magnetization and demagnetization should have	A. broad hysteresis curves B. narrow hysteresis curves C. any one of the them D. none of them