

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	Polymers have chemically combinations with	A. Carbon B. Nitrogen C. Hydrogen D. All of them
2	S.I unit of stress is	A. N/m B. N m C. Nm ⁻² D. newton
3	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
4	Doping is the process in which the small amount of impurity is added into pure semiconductor lattice in the ratio	A. 1 to 10 ³ B. 1 to 10 ⁴ C. 1 to 10 ⁵ D. 1 to 10 ⁶
5	The electrical conductivities of insulators are ranging from	A. 10 ⁻⁵ to 10 ⁻¹⁰ (-sup>-(sup>-(sup>-(sup>-(sup)-(su
6	Strain is dimensionless and has	A. Units B. No units C. S.I. units D. None of these
7	The band above the valence band is	A. Completely filled bandB. Conduction bandC. Forbidden energy bandD. None of these
8	In deformation of the material, the potential energy of the molecules due to displacement from their mean positions is	A. Lost B. Gained C. No lost no gain D. None of these
9	The metals become a magnetic material because of their	A. Hardness B. Alignment of atoms C. Structure D. All of them
10	The charged nucleus of an atom itself spins its magnetic field is	A. Equal to the field produced by orbital electrons B. Greater than the field produced by orbital electrons C. Much weaker than the field produced by orbital electrons

		D. Very strong
11	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
12	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
13	A substance which have empty conduction band is called	A. Conductor B. Insulator C. Semiconductor D. None of these
14	Every crystalline solid has a melting point	A. Definite B. Not definite C. Any D. Change every time
15	Shear modulus for mercury is	A. 0 B. 12 C. 27 D. 42
16	A material most suitable to make the permanent magnet are	A. High retentivityB. Large coercive currentC. Small domain frictionD. a and b
17	The strain is the ratio of	A. Stress/strainB. Strain/stressC. Force areaD. change in length/original length
18	Bulk modulus for steel is	A. 60 B. 120 C. 160 D. 170
19	Young's modulus for water is	A. 0 B. 2 C. 5 D. 9
20	The magnetism produced by electrons within an atom is due to	A. Spin motion B. Orbital motion C. Spin and orbital motion D. None of these