

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	Polymers have naturally combinations like with	A. Oxygen B. Sulphuric C. Hydrocarbons D. Oxygen and carbons
2	In n-type substances the minority carriers are	A. Holes B. Electrons C. Neutrons D. None
3	When a germanium atom is doped with phosphorous atoms it becomes	A. N-type semiconductor B. p-type semiconductor C. An insulator D. None of them
4	The band above the valence band is called	A. high energy band B. conduction band C. empty band D. none of them
5	A metal wire is stretched by suspending weight to if x is the longitudinal strain and y is young's modulus of elasticity then the elastic potential energy per unit volume is	A. $\frac{1}{2} y x^2$ B. $x^2 / 2y$ C. $y^2 / 2x$ D. $x^2 / 2y$
6	The critical temperature of tin is	A. 1.18 K B. 4.2 K C. 3.72 K D. 7.2 K
7	In semiconductor Si or Ge a missing electron in covalent bond from an atom is a	A. Charged atom B. Hole C. Ion D. All of them
8	A material with high retentively and large corcivity most useful to make	A. Electromagnet B. Permanent magnet C. Choke D. None of these
9	Shear stress addresses to the:	A. Volume changes due to the applied stress B. Shape changes due to the applied stress C. Length changes due to the applied stress D. All of the above
10	The transition from solid to liquid state is:	A. Abrupt B. Slow C. Continuous D. Discontinuous E. Both A and D
11	A bullet train move with the velocity of	A. 400 Km ⁻¹ B. 460 Km ⁻¹ C. 500 Km ⁻¹ D. 510 Km ⁻¹
12	When a strength changes the length of a body, it is called	A. Tensile stress B. Shear stress C. Compressional stress
13	Crystalline solid do not show	A. Sharp melting points B. Flat faces C. Long range order D. Isotropic expansion coefficients
14	The technological uses of superconductors are	A. MRI B. Magnetic levitation trains C. Faster computer chips D. All of them
		A. Shear stress

15	When the stress change length of a body, it is called:	<p>B. Tensile stress C. Volume stress D. Any of these E. None of these</p>
16	If stress is increased beyond the elastic limit a permanent change in the material is observed. This behavior is called	<p>A. Elastic deformation B. Elasticity C. Plasticity D. Yield strength</p>
17	The SI unit of stress is same as that of:	<p>A. Pressure B. Momentum C. Impulse D. Change momentum E. Force</p>
18	Bulk modulus for tungsten is	<p>A. 50 B. 100 C. 150 D. 200</p>
19	The process of doping causes resistivity of semiconductor to	<p>A. Increase B. Decrease C. Same D. Become zero</p>
20	High temperature superconductors have temperature	<p>A. Above 77 K B. Below 77 K C. At 77 K D. None of these</p>