

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	Shear modulus for mercury is	A. 0 B. 12 C. 27 D. 42
2	The ultimate tensile strength is	A. Greatest stress, a material can endure B. Stress is increased beyond the yield strength C. Maximum stress, a material can with stand D. None of these
3	The electrical behavior of semiconductor depends on the material purity which is	A. Sensitive B. Extremely sensitive C. Non-sensitive D. None of these
4	Recently a complex crystalline structure known as Yttrium Barium Copper Oxide have been reported to become superconductor at	A. 125 K B. 25 K C. 263 K D. 163 K
5	Shear modulus for ice is	A. 1.2 B. 2.5 C. 3 D. 3.3
6	Polymeric solids have the properties like	A. No definite shape B. No definite structure C. Partially crystalline solids D. All of them
7	When a silicon crystal is doped with a pentavalent element, such an extrinsic semiconductor is called	A. p-type semi-conductor B. n-type semi-conductor C. either of them D. none of them
8	Reciprocal of bulk modulus is called	A. Shear modulus B. Compressibility C. Young s modulus D. None
9	The process of doping causes resistivity of semiconductor to	A. Increase B. Decrease C. Same D. Become zero
10	Shear modulus for brass is	A. 36 B. 39 C. 51 D. 65
11	Bulk modulus for lead is	A. 2.9 B. 7.7 C. 9.3 D. 15.6
12	At 0 K a piece of Ge and Si is a perfect	A. Conductor B. Insulator C. Semiconductor D. None of these
13	Semiconductor materials have the conductivities generally lies between	A. 10^{-5} to 10^{-6} (Ωm) B. 10^{-6} to 10^{-4} (Ωm) C. 10^{-7} to 10^{-3} (Ωm) D. None of these
14	The forbidden enerav aap in semiconductors	A. Lies just below the valence band B. Lies just above the conduction band C. Lies in the middle of the valence band D. Lies in the middle of the conduction band

		C. Is the same as the valence band D. Lies between the valence band and conduction band
15	In a semi-conductor material, current flows due to	A. positive charge B. negative charge C. both of them D. none of them
16	Young's modulus for concrete is	A. 10 B. 15 C. 25 D. 30
17	The electrons, which can wander in the solid, are known as:	A. Valence electron B. Free electron C. Loosely bound electrons D. None of these
18	The units of modulus of elasticity are same as that of	A. Stress B. Strain C. Force D. None
19	In Insulators the conduction band is	A. Empty B. Partially filled C. Full D. None of these
20	A substance which have empty conduction band is called	A. Conductor B. Insulator C. Semiconductor D. None of these