

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

C-	Questions	Anguaga Chaiga
Sr		Answers Choice A. Angle of rotation B. Shearing stress
1	The shearing strain is measured by	C. Angle of shear D. Modulus of rigidity
2	The band above the valence band is	A. Completely filled band B. Conduction band C. Forbidden energy band D. None of these
3	The SI unit of stress is same as that of	A. Momentum B. Pressure C. Force D. Length
4	A wire is stretched by applying a stretching force. If the stretching force is doubled within elastic limit Then energy stored in the wire will	A. Be double B. Increase by four times C. Increase by eight time D. Remain same
5	If one atom or molecule lies out each of the eight corners of a cube, it is called	A. Simple cube B. Face centered cube C. Body centered cube D. None of these
6	Each atom in a metal crystal:	A. Remains fixed B. Vibrates about a fixed point C. Moves randomly D. Rotates about the centre of the crystal E. None of these
7	When a stress changes length, it is called the	A. compressional stress B. tensile stress C. shear stress D. any one of them
8	When a sillicon crystal is doped with a pentavalent element, such an extrinsic semi- conductor is called	A. p-type semi-conductor B. n-type semi-conductor C. either of them D. none of them
9	Molecules of a solid possess:	A. Translation motion B. Vibration motion C. Rotation motion D. Linear motion
10	The property due to which the size or shape of a lattice is not important is called	A. Cleavage B. Anisotropy C. Homogenity D. None of these
11	When a stress changes its volume it is called	A. Tensile stress B. Shear stress C. Volume stress D. None of these
12	The measure of the deformation in a solid when stress in applied to it is called	A. elastic constant B. Young's modulus C. strain D. elasticity
13	If band gap between valence and conduction band material is 5 eV. The material is	A. Insulator B. Good conductor C. Semiconductor D. Such material are not exist
14	Under the elastic region, the deformation produced in the material is	A. permanent B. temporary C. either of them D. none of them
		A. Diamagnetism changes to paramagnetism B. paramagnetism changes to

15	Curie temperature is a point where:	Diamagnetism C. Ferromagnetism changes to paramagnetism D. paramagnetism changes to Ferromagnetism
16	While vibrating the atoms are at their	A. Fixed positions B. Extreme position C. Average positions D. None of these
17	The bonding between the semi-conductor materials is	A. covalent B. ionic C. either of them D. none of them
18	When a silicon crystal is doped with a trivalent element, then the atom of the trivalent element is known as	A. acceptor B. donor C. either of them D. none of them
19	Conductors are those materials in which the free electrons	A. Very large B. Very small C. Plenty of D. None of these
20	A wire length L and radius r is fixed at one end and force F applied another end produces an extension x The extension produced in another wire of the same material of length 2L and radius 2r by force 2F is	A. 1 B. I C. 21 D. 41