

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	Crystalline solids are in the form of:	A. Metals B. lonic compounds C. Ceramics D. Both A and B E. All of these
2	When small number of atoms from some other suitable element is added to the semi-conductor material, then this process is known as	A. impurification B. adding C. doping D. extrinsivity
3	The forbidden energy band gaps in conductors semiconductors and EG_2 and EG_3 respectively The relation among them is	A. EG ₁ = EG ₂ = EG ₃ B. EG ₁ < EG ₂ < EG ₃ C. EG ₁ > EG ₂ > EG ₂ > EG ₃ D. EG ₁ > EG ₃ EG ₂ > EG ₃
4	A solid subjected to deformation along one dimension	A. Only have tensile stress B. Only have compressive stress C. Have both tensile and compressive stress D. None of them
5	Polymers have naturally combinations like with	A. Oxygen B. Sulphuric C. Hydrocarbons D. Oxygen and carbons
6	The conductivities of conductors (metals) have	A. $10 < sup > 5 < /sup > (\Omega) < sup > -1 < /sup > B. 10 < sup > 7 < /sup > (\Omega m) < sup > -1 < /sup > C. 10 < sup > 8 < /sup > (\Omega m) < sup > -1 < /sup > D. 10 < sup > 9 < /sup > (\Omega m) < sup > -1 < /sup > D. 10 < sup > 9 < /sup > (\Omega m) < sup > -1 < /sup > ODD > 1 < /sup >$
7	A piece of copper and another of germinium are cooled from room temperature to 80K. The resistance of	A. Each of them increases B. Each of them decreases C. Copper increases and germanium for D. Copper decreases and germanium increases
8	Breaking load for units area of cross-section of a wire is called:	A. Tensile strength B. Ductibility C. Yield point D. Breaking stress
9	Which of the following pairs is not correct	A. Strain - dimensional B. Stress - Wm ² C. Modulus of elasticity - Wm ² D. Shear stress - Wm ²
10	The SI unit of strain is	A. N B. dynes C. pascal D. dimensionless
11	N-type crystal is	A. Neutral B. Positively charged C. Negative charged D. None of these
12	The unit cell of the shape of match box is called	A. Cubic B. Tetragonal C. Orthorhombic D. Rhomboheral
13	An atom in which there is a resultant magnetic field, behaves like a tiny magnet and is called as	A. magnetic B. magnetic dipole C. magnetic monopole D. none of them
14	The band above the valence band is	A. Completely filled band B. Conduction band C. Forbidden energy band D. None of these

15	The stress which increase the length in one dimension only is called	A. length stress B. only have compressive stress C. Have both tensile and compression stress D. None of them
16	The magnetic fields produced by electron in an atom is due to	A. Spin motion B. Orbital motion C. Both a & b D. All above
17	How does the Young's modulus vary with the increase of temperature?	A. Decrease B. Increase C. Remains constant D. First increases and then decreases
18	Young's modulus for glass is	A. 15 B. 35 C. 39 D. 55
19	Solids have sharp melting points account of	A. Long range order of atoms B. Short range order of atoms C. Equal strength of inter-atomic bonds D. An isotropic nature
20	In a cubic crystal, all the sides meet at:	A. 60