

## MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

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Sr	Questions	Answers Choice
1	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
2	Which of the following pair of quantities do not have the same units?	A. Stress, Young's modulus B. Strain, bulk modulus C. Stress, bulk modulus D. None of them
3	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
4	When a large number of atoms are brought close to one another to form a solid, each energy level of an isolated atom splits into sub-levels, called	A. energy bands B. energy shells C. states D. all of them
5	A valance band in solids is	A. Always completely filled B. Empty C. Either completely or partially filled D. None
6	Which one of the following is polymer	A. Polythene B. Polystyrene C. Nylon D. All
7	The size of the domains in such that they can contain	A. 10 <sup>2</sup> to 10 <sup>4</sup> atoms B. 10 <sup>4</sup> to 10 <sup>8</sup> atoms C. 10 <sup>8</sup> to 10 <sup>12</sup> atoms D. 10 <sup>12</sup> to 10 <sup>16</sup> to
8	What is the Young modulus of a meta?	A. Extension/force B. Force/extension C. Strain/stress D. Stress/strain
9	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
10	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
11	The atom or molecules in crystalline solids are held together by:	A. Cohesive force B. Adhesive force C. Gravitational force D. Magnetic forces
12	The maximum stress that a body can tolerate is called	A. UTS B. Permanent stress C. Elastic strength D. Plastic stress
13	Shear modulus for glass is	A. 23 B. 39 C. 52 D. 69
14	In semiconductors, the valence band at room temperature is	A. Completely filled B. Partially filled C. Empty

	D. None of these
The electrons occupying the conduction band are known as	A. conduction electrons B. free electrons C. both of them D. none of them
Electrons of an isolated atom are bound to the nucleus, and?	A. can only have distinct energy level B. can only have same energy level C. may or may not have distinct energy D. none of them
The magnetic field produced due to circulating currents. The idea was first given by	A. Faraday B. Ampere C. Lenz D. None of these
The fractional change in volume per unit increase is pressure in called:	A. Pressure coefficient B. Volume coefficient C. Bulk modulus D. Compressibitlity
Which of the following can become a good permanent magnet?	A. iron B. steel C. both of them D. none of them
Every crystalline solid has a melting point	A. Definite B. Not definite C. Any D. Change every time
	Electrons of an isolated atom are bound to the nucleus, and?  The magnetic field produced due to circulating currents. The idea was first given by  The fractional change in volume per unit increase is pressure in called:  Which of the following can become a good permanent magnet?