

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. Ionic compounds C. Ceramics D. Both A and B E. All of these
2	The solids which have structure in between order and disorder are called	A. amorphous solids B. polymeric solids C. crystalline solids D. all of them
3	The SI unit of stress is	A. Nm^2 B. Nm C. dynesm^{-1} D. N
4	The results of mechanical tests are usually represents in terms of:	A. Stress B. Strain C. Both A & B D. None of these
5	Those solid which breaks soon after crossing the elastic limit are called	A. Amorphous B. Glassy solid C. Crystalline solid D. Brittle
6	Each domain contains the atoms of range of	A. 10^{-10} to 10^{-18} B. 10^{-10} to 10^{-16} C. 10^{-12} to 10^{-17} D. 10^{-12} to 10^{-16}
7	Paramagnetic substances are those in which	A. Spin and orbital motions are supported B. Spin and orbital motions are opposed C. Spin and orbital motions supported a little D. None of these
8	On heating, glass gradually softens into a paste-like state before it becomes a very viscous liquid at almost	A. 600°C B. 7600°C C. 800°C D. 900°C
9	Bulk modulus is involved when the deformation is:	A. One dimensional B. Two dimensional C. Three dimensional D. Any of these E. None of these
10	In spite vibrations the force which hold the atoms in their ordered form is	A. Vander wall force B. Cohesive force C. Adhesive force D. None of these
11	The fractional change in volume per unit increase in pressure is called	A. Pressure coefficient B. Volume coefficient C. Bulk modulus D. Compressibility
12	Young's modulus for steel is	A. 100 B. 200 C. 300 D. 1000

13	The substances in which atoms are so oriented that the field produced by spin and orbital motion of the electrons might add up to zero, are called	A. diamagnetic substances B. ferromagnetic substances C. paramagnetic substances D. all of them
14	In the phenomenon of hysteresis, the magnetism and magnetizing current behaves as	A. I lags B. I leads B C. I & B becomes equal D. None of these
15	In a semi-conductor material, the total current is	A. only the +ve current B. only the electronic current C. sum of +ve and electronic current D. all of them
16	If both the length and radius of the wire are doubled, how does the modulus of elasticity change?	A. Becomes one fourth B. Halved C. Doubled D. Remains unchanged
17	The Hook's law defines	A. Modulus of elasticity B. Stress C. Strain D. Elastic limit
18	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
19	Curie temperature is a point where:	A. Diamagnetism changes to paramagnetism B. paramagnetism changes to Diamagnetism C. Ferromagnetism changes to paramagnetism D. paramagnetism changes to Ferromagnetism
20	Shear modulus for copper is	A. 20 B. 27 C. 44 D. 43