

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	The ratio of stress/strain is called as	A. Modulus of elasticity B. Bulk modulus C. Shear modulus D. Young's modulus
2	Every crystalline solid has a melting point	A. Definite B. Not definite C. Any D. Change every time
3	The energy need to magnetize and demagnetize the specimen during the each cycle of magnetizing current is	A. Value of current B. Value of demagnetizing current C. Value of magnetic flux density D. Area of the loop
4	Substances which undergo plastic deformation until they break, are known as	A. brittle substances B. ductile substances C. plastic substances D. neither of them
5	Which of the following can become a good permanent magnet?	A. iron B. steel C. both of them D. none of them
6	Young's modulus for concrete is	A. 10 B. 15 C. 25 D. 30
7	Remanance or Retentivity is the phenomenon in which the material still remains strongly magnetized when curve is	A. Increase to maximum B. Reduce to minimum C. Reduce to zero D. None of these
8	If the tensile force is suddenly removed from a wire then its temperature will	A. Decrease B. Increase C. Become zero D. Remain constant
9	The substances in which, atom are so oriented that their field support each other and the atoms behave like tiny magnets, are called	A. diamagnetic substances B. ferromagnetic substances C. paramagnetic substances D. all of them
10	Which of the following is more elastic material?	A. iron B. Aluminum C. Wood D. Rubber
11	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
12	In crystalline solids, atoms are held about their equilibrium positions depending upon the strength of:	A. Adhesive forces B. Nuclear forces C. Inter atomic cohesive force D. Electromagnetic force E. None of these
13	A bullet train move with the velocity of	A. 400 Km h^{-1} B. 460 Km h^{-1} C. 500 Km h^{-1} D. 510 Km h^{-1}
14	The crystalline structure of NaCl is	A. rectangular B. hexagonal C. tetrahedral D. cubical
15	Bulk modulus for aluminium is	A. 40 B. 70 C. 75 D. 80

16	Which one of the following is polymer	A. Polythene B. Polystyrene C. Nylon D. All
17	When a stress changes its volume it is called	A. Tensile stress B. Shear stress C. Volume stress D. None of these
18	Nm^{-2} or Pa are the units of	A. Stress B. Strain C. Modulus of Elasticity D. a and b
19	Crystalline solids have the properties such as	A. Regular arrangement B. Covalent bonding C. Some what defective D. All of them
20	The forbidden energy band gaps in conductors semiconductors and EG, EG_2 and EG_3 respectively The relation among them is	A. $\text{EG}_1 = \text{EG}_2 = \text{EG}_3$ B. $\text{EG}_1 \leq \text{EG}_2 \leq \text{EG}_3$ C. $\text{EG}_1 > \text{EG}_2 > \text{EG}_3$ D. $\text{EG}_1 \leq \text{EG}_2 \leq \text{EG}_3$