

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	The current once established, does not require	A. Current source B. Source of emf C. Induced current D. None of these
2	The curie temperature for iron is	A. 750°C B. 570°C C. 750°k D. 57°K
3	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
4	The modulus of rigidity of a liquid is	A. Zero B. 1 C. Infinite D. None of these
5	Longitudinal strain can be produced in	A. Glass B. Water C. Honey D. Hydrogen gas
6	Which of the following have the same unit:	A. Both (A) and (C) B. Both (A) and (B) C. Modulus elasticity D. Strain E. Stress
7	Polythene, polystyrene and nylon are example of	A. Polymeric solids B. Crystalline solids C. Glassy solids
8	In superconductors, the resistance of a material drops to zero and no	A. Power is dissipated B. Energy is dissipated C. Current is dissipated D. None of these
9	When a silicon crystal is doped with a trivalent 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
10	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
11	When a strength changes the length of a body, it is called	A. Tensile stress B. Shear stress C. Compressional stress
12	Which of the following pairs is not correct	A. Strain - dimensional B. Stress - N/m^2 C. Modulus of elasticity - N/m^2 D. Shear stress - N/m^2
13	Young's modulus for tungsten is	A. 90 B. 190 C. 390 D. 590
14	In the hysteresis loop, when the current is reduced to zero, the material	A. does not retain magnetism B. retains not retain magnetism C. retains strong magnetism D. none of them
15	Examples of polymers are	A. Polythene B. Polystyrene C. Nylon D. All of them

16	Crystalline solids are also	A. Metals B. Ionic compound C. Ceramics D. All of them
17	Stree is _____ property of solids	A. Electrical B. Polymeric C. Conductive D. Mechanical
18	Polymeric solids have the structure	A. One dimensional B. Two dimensional C. Zero dimension D. Three dimensional
19	The valency of electron in the valence band is known as	A. Atom B. Molecule C. Hole D. None of these
20	When the opposite faces of a rigid cube are subjected to shear stress, the shear strain produced is given by	A. $\gamma = \Delta a/a$ B. $\tan \theta$ C. $\gamma = \theta$ D. All of them
