

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	Super conductor offers no resistance to	A. Thermal agitation B. Electric current C. Induced current D. None of these
2	When a stress change its shape it is called	A. Tensile stress B. Shear stress C. Volume stress D. None of these
3	Bulk modulus for bass is	A. 20 B. 41 C. 61 D. 81
4	When a stress changes its volume it is called	A. Tensile stress B. Shear stress C. Volume stress D. None of these
5	When a stress changes length, it is called the	A. compressional stress B. tensile stress C. shear stress D. any one of them
6	The pattern of a crystalline solid is:	A. One dimensional B. Two dimensional C. Three dimensional D. Either A or B E. None of these
7	The conduction of electrons takes place and conduct electric current through solids is a	A. Energy band B. Conduction band C. Valence band D. Completely filled band
8	The limit up to which the stress is directly proportional to strain is called	A. Elastic limit B. Proportional limit C. Breaking limit D. Ultimate tensile limit
9	Such substances which break soon after they cross elastic limit is called	A. Weak substance B. Ductile substance C. Brittle substance D. Organic substance
10	The ratio of volume stress/volume strain is called as	A. modulus B. Bulk modulus C. shear modulus D. Young's modulus
11	In semiconductors, at 0 K, the electrons in conduction band is	A. Partially filled B. No C. Yes D. None of these
12	Magnetic permeability is maximum for	A. Dia-magnetic B. Ferromagnetic C. Paramagnetic D. Non-magnetic
13	The transition from solid to liquid state is:	A. Abrupt B. Slow C. Continuous D. Discontinuous E. Both A and D
14	A material with high retentively and large corcivety most useful to make	A. Electromagnet B. Permanent magnet C. Choke D. None of these
15	The young s modulus for a perfect rigid body is	A. Zero B. 1 C. Infinite D. None of these

		D. None of these
16	Synthetic materials fall into the category of	A. crystalline solids B. amorphous C. polymeric solids D. all of them
17	Stress maybe:	A. Tensile B. Compressive C. Compressible D. All of these E. Both (A) and (B)
18	A certain force F increases the length of a wire by 1 mm. The force required to increase its length by 2mm is	A. 2 F B. 4 F C. 8 F D. 16 F
19	Tick the one which is not a crystalline solid:	A. Zirconia B. Glass C. Copper D. Ceramic solid E. An ionic compound
20	Elastic deformation of a material is the deformation which is	A. Permanent B. Temporary C. Some what permanent D. None of these