

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	Bulk modulus for mercury is	A. 27 B. 29 C. 29.4 D. 30
2	The electrons in the outermost shell are called	A. Super electrons B. Valance electrons C. Full valance D. Upper deep up
3	The fractional change in volume per unit increase in pressure is called	A. Pressure coefficient B. Volume coefficient C. Bulk modulus D. Compressibility
4	Young's modulus for ice is	A. 3 B. 14 C. 20 D. 32
5	According to the Hooke's law the force required to change the length of a wire by '1' is proportional to:	A. 1^2 B. 1 C. 1
6	Polymers are the chemical combination of carbon with:	A. Nitrogen B. Oxygen C. Hydrogen D. All of these E. None of these
7	The smallest three dimensional basic structure in a crystalline solid is called	A. lattice point B. crystal lattice C. cubic crystal D. unit cell
8	Hooks law hols within	A. Proportional limit B. Elastic limit C. Plastic limit D. None
9	The SI unit of stress is same as that of:	A. Pressure B. Momentum C. Impulse D. Change momentum E. Force
10	The ratio of tensile stress to tensile strain is	A. Force B. Young's modulus C. Bulk modulus D. Shear modulus
11	The transition from solid to liquid state is:	A. Abrupt B. Slow C. Continuous D. Discontinuous E. Both A and D
12	The ability of the body to return to its original shape is called	A. deformation B. stretching C. compressing D. elasticity
13	Hard magnetic materials are	A. Iron B. Steel C. Alnico D. None of these
14	Ferromagnetic materials are those in which atoms cooperate with each other	A. Weakly B. Strongly C. Moderately D. None of these
15	The SI unit of strain is	A. N B. dynes C. pascal

		D. dimensionless
16	When a crystal is subjected to stress, it tends to break or fracture along definite direction which is characteristic of a simple. This is called	A. Cleavage B. Allotropy C. Isotropy D. None of these
17	The electrical behavior of semiconductor depends on the material purity which is	A. Sensitive B. Extremely sensitive C. Non-sensitive D. None of these
18	Shear modulus for glass is	A. 23 B. 39 C. 52 D. 69
19	Two wires of the same material have diameters in the ration 2 : 1 if they are stretched by the same force their elongations will be in the ratio	A. 8 : 1 B. 1 : 8 C. 2 : 1 D. 1 : 4
20	The strain is the ratio of	A. Stress/strain B. Strain/stress C. Force area D. change in length/original length