

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	Shear modulus for bone is	A. 15 B. 40 C. 50 D. 80
2	Which of the following is not true for a crystalline substance	A. Shorter range order B. Isotropic electrical conductivity C. Flat surface D. Sharp melting point
3	The ultimate tensile strength is	A. Greatest stress, a material can endure B. Stress is increased beyond the yield strength C. Maximum stress, a material can with stand D. None of these
4	Ferromagnetic materials are those in which atoms cooperate with each other	A. Weakly B. Strongly C. Moderately D. None of these
5	When the shear stress and shear strain are involved, then their ratio is called	A. Young's modulus B. Bulk modulus C. Shear modulus D. all of them
6	Stress may cause a change in:	A. Length B. Volume C. Shape D. Any of these E. None of these
7	The work done by stretching force is the area of	A. Trapezium B. Triangle C. Rectangle D. None of these
8	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
9	A women of 50 kg distributes her wright equally over high-heeld shoes. Each heel has an area of 0.75 cm ² . The pressure exerted by each heel will be	A. 6.66 x 10 ⁶ Pa B. 3.33 x 10 ⁶ Pa C. 1.67 x 10 ⁶ Pa D. 3.33 x 10 ⁻⁶ Pa
10	The valence energy band may be either	A. Completely filled B. Partially filled C. a and b D. All of them
11	A semiconductor is known to have an electron concentration of 8 x 10^{13} per cm ³ and hole concentration of 5 x 10^{12} per cm ³ the semiconductor is	A. n-type B. P-type C. Intrinsic D. None of these
12	The deformation produced in the body by an applied force in their	A. Shape B. Length C. Volume D. All of them
13	Each atom in a metal crystal:	A. Remains fixed B. Vibrates about a fixed point C. Moves randomly D. Rotates about the centre of the crystal E. None of these
		A. Tensile strength

14	Breaking load for units area of cross-section of a wire is called:	B. Ductibility C. Yield point D. Breaking stress
15	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
16	The structure of the polymeric solid is:	A. An ordered structure B. A disordered structure C. Intermediate between order or disorder D. Any of these E. None of these
17	Which of the following is not crystalline solid	A. Zinc B. Copper C. Sodium chloride D. None of these
18	The polymeric solids have specific gravity compared with even the lightest of metals	A. Low B. Very Low C. Slightly low D. None of these
19	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
20	Reciprocal of bulk modulus is called	A. Shear modulus B. Compressibility C. Young s modulus D. None