

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	For obtaining appreciable extension, the wire should be:	A. Short and thin B. Long and thin C. Short and thick D. Long and thick
2	After elastic limit the shape of graph is	A. Curved B. Straight Line C. Saw tooth D. Arbitrary
3	Young's modulus for mercury is	A. 0 B. 2 C. 5 D. 6
4	Young's modulus for tungsten is	A. 90 B. 190 C. 390 D. 590
5	The young s modulus for a perfect rigid body is	A. Zero B. 1 C. Infinite D. None of these
6	In semiconductors, at 0 K, the electrons in conduction band is	A. Partially filled B. No C. Yes D. None of these
7	The modulus of elasticity can be written as	A. stress x strain B. strain/stress C. 1/2 x stress x strain D. stress/strain
8	Shear modulus for aluminium is	A. 30 B. 70 C. 80 D. 90
9	The materials in which there are plenty of free electrons for electrical conduction are known as	A. conductors B. insulators C. semi-conductors D. all of them
10	A geometric shape of a solid obtained by regular, respetive, three-dimensional arrangements of its molecules, atoms or ions is called a:	A. Crystal B. Crystal Lattice C. Crystal plane D. None of these
11	The dimension of elastic modulus	A. $ML^{-1}T^2$ B. MLT^2 C. $ML^{-1}T^2$ D. MLT^3
12	Recently a complex crystalline structure known as Yttrium Barium Copper Oxide have been reported to become superconductor at	A. 125 K B. 25 K C. 263 K D. 163 K
13	The fractional change in volume per unit increase in pressure is called	A. Pressure coefficient B. Volume coefficient C. Bulk modulus D. Compressibility
14	Molecules of a solid possess:	A. Translation motion B. Vibration motion C. Rotation motion D. Linear motion
15	Substances which undergo plastic deformation until they break, are known as	A. brittle substances B. ductile substances C. plastic substances D. neither of them

16	Which of the following material have young and bulk modulus are same	A. Brass B. Bone C. Aluminum D. Steel
17	Young's modulus for water is	A. 0 B. 2 C. 5 D. 9
18	Reciprocal of bulk modulus is called	A. Shear modulus B. Compressibility C. Young s modulus D. None
19	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
20	In the stress-strain graph stress is increased linearly with strain until a point is reached this point is known as	A. Plastic limit B. Plastic deformation C. Proportional limit D. Elastic behaviour