

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

| Sr | Questions | Answers Choice |
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| 1 | Solids which have no regular atomic structure are called | A. Crystalline solid B. elastic solid C. Glassy solid D. All of these |
| 2 | The greatest stress that a material can endure without losing the proportionality between stress and strain is called | A. Plasticity B. Breaking point C. Proportional limit D. Strain |
| 3 | Bulk modulus for bass is | A. 20 B. 41 C. 61 D. 81 |
| 4 | The number of different crystals systems based on the geometrical arrangement of their atoms and the resultant geometrical structures are | A. 5 B. 7 C. 9 D. 14 |
| 5 | Molecules of a solid possess: | A. Translation motion B. Vibration motion C. Rotation motion D. Linear motion |
| 6 | The area of hysteresis loop is an indication of the | A. Permeability of the material B. Susceptibility of the material C. Retentivity of the material D. Energy dissipated per cycle |
| 7 | The strain is the ratio of | A. Stress/strain B. Strain/stress C. Force area D. change in length/original length |
| 8 | The measure of deformation in a certain solid due to the action of stress is called | A. Hooke's law B. Mechanical advantage C. Stress D. Strain |
| 9 | The transition of from solid to liquid is actually from: | A. Order to disorder B. Disorder to order C. Order to order D. Disorder to disorder |
| 10 | When an atom is isolated, its energy levels are | A. Distinct B. Very close C. Very very close D. None of these |
| 11 | Shear modulus for glass is | A. 23 B. 39 C. 52 D. 69 |
| 12 | The area of the loop is the dissipated energy which do work against friction of domains is called | A. Current loss B. Voltage loss C. Hysteresis loss D. None of these |
| 13 | Each domain contains the atoms of range of | A. 10^{10} to 10^{18} B. 10^{10} to 10^{16} C. 10^{12} to 10^{17} D. 10^{12} to 10^{16} |
| 14 | 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 |

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| 15 | The shape of crystals other than a cube have | A. Right angles B. Not right angles C. Not corners D. None of these |
| 16 | Substance which break just after the elastic limit is crossed are called | A. Soft substances B. Hard substances C. Brittle substances D. Ductile substances |
| 17 | The valency of electron in the valence band is known as | A. Atom B. Molecule C. Hole D. None of these |
| 18 | The SI unit of stress is same as that of | A. Momentum B. Pressure C. Force D. Length |
| 19 | An atom in which there is a resultant magnetic field, behaves like a tiny magnet and is called as | A. magnetic B. magnetic dipole C. magnetic monopole D. none of them |
| 20 | The substances which break just after the elastic limit is reached are known as: | A. Ductile B. Brittle C. Malleable D. Hard E. Soft |