MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	Stress maybe:	A. Tensile B. Compressive C. Compressible D. All of these E. Both (A) and (B)
2	When the deformation produced in the material becomes permanent, this type of behaviour is called	A. proportionality B. elasticity C. plasticity D. none of them
3	There are some materials whose resistivity becomes zero below a certain temperature, called	A. absolute zero B. 0° C C. critical temperature D. lower fixed point
4	The smallest part of a crystal lattice is called:	A. A molecule B. An atom C. A unit cell D. A particle
5	Those solid which breaks soon after crossing the elastic limit are called	A. Amorphous B. Glassy solid C. Crystalline solid D. Brittle
6	The fractional change in volume per unit increase is pressure in called:	A. Pressure coefficient B. Volume coefficient C. Bulk modulus D. Compressibitlity
7	While vibrating the atoms are at their	A. Fixed positions B. Extreme position C. Average positions D. None of these
8	Polymeric solids have the properties like	A. No definite shape B. No definite structure C. Partially crystalline solids D. All of them
9	Arsenic, antimony and phosphorous are the elements from	A. third group B. fourth group C. fifth group D. none of them
10	The work done by stretching force is the area of	A. Trapezium B. Triangle C. Rectangle D. None of these
11	In semiconductor Si or Ge a missing electron in covalent bond from an atom is a	A. Charged atom B. Hole C. Ion D. All of them
12	Donor impurities donate	A. Holes B. Electrons C. Both holes and electrons D. None of them
13	Polymers have chemically combinations with	A. Carbon B. Nitrogen C. Hydrogen D. All of them
14	The ratio of stress/strain is called as	A. Modulus of elasticity B. Bulk modulus C. Shear modulus D. Young's modulus
		A. 10

15	Young's modulus for lead is	B. 11 C. 15 D. 19
16	The SI unit of stress is	A. Nm² B. Nm C. dynesm⁻¹ D. N
17	Bulk modulus for copper is	A. 50 B. 75 C. 140 D. 147
18	Which of the modulus of elasticity is involved in compressing a rod to decrease its length?	A. Young's modulus B. Bulk modulus C. Modulus of rigidity D. None of the above
19	The dimensional formula for the modulus of elasticity is same as that for:	A. Stress B. Strain C. Velocity D. Surface tension
20	High temperature superconductors have temperature	A. Above 77 K B. Below 77 K C. At 77 K D. None of these