MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	The ratio of linear stress/linear strain is called	A. Yong's modulus B. Bulk modulus C. shear modulus D. modulus
2	The first superconductor was discovered by	A. Fermi B. Kmaerlinghormes C. Weinberg D. None of these
3	Young's modulus for aluminium is	A. 30 B. 70 C. 80 D. 100
4	The magnetic fields are produced by the	A. Moving charges B. Bar magnets C. Motion of conductor in a magnetic field D. All of them
5	The coercivity of the steel is	A. less than the iron B. equal to the iron C. more than the iron D. any one of them
6	A current which demagnetize the material completely is called	A. Applied current B. Coercive current C. Maximum current D. None of these
7	Stress beyond which a permanent deformation is observed in a body is called	A. Minimum stress B. Maximum C. Yield stress D. Plastic stress
8	Young's modulus for glass is	A. 15 B. 35 C. 39 D. 55
9	In proportional limit (σ) of material, the stress increases with strain	A. Linearly B. Constant C. Abruptly increases D. None of these
10	The solids are classified as:	A. Metals B. Crystalline C. Amorphous D. Polymeric E. All expect A
11	Which of the following pairs is not correct	A. Strain - dimensional B. Stress - N/m² C. Modulus of elasticity - N/m² D. Shear stress - N/m²
12	The property due to which the size or shape of a lattice is not important is called	A. Cleavage B. Anisotropy C. Homogenity D. None of these
13	The energy gap between conduction band and valence band is semiconductor is	A. A very narrow forbidden energy gap B. A narrow forbidden gap C. Of the order of 1 eV D. a and b
14	The main reason for the high speed of bullet train is	A. Magnetic effect B. Reduced friction C. Design of train D. None of these

15	Which of the given elements is a diamagnetic material	A. Antimony B. Bismuth C. Copper D. All of these
16	The ratio of tensile stress to tensile strain is	A. Force B. Young's modulus C. Bulk modulus D. Shear modulus
17	In semiconductors at 0 K the valence band is	A. Completely filled B. Partially filled C. No D. Yes
18	In a crystal the density of atoms or molecules does not vary from direction to direction. This is known as:	A. Cleavage B. Anisotropy C. Homogeneity D. None of these
19	Amorphous solids are called	A. Polymeric B. Crystal C. Glassy solids D. All
20	Young's modulus for brass is	A. 40 B. 60 C. 90 D. 91