MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	After curie temperature iron is	A. Ferromgnetic B. Diamagnetic C. Paramagnetic D. None
2	Is there any physical distinction between the valence and conduction band	A. Yes B. No C. Very small D. None of these
3	Young's modulus for brass is	A. 40 B. 60 C. 90 D. 91
4	Young's modulus for aluminium is	A. 30 B. 70 C. 80 D. 100
5	The temperature at which the vibrations become so great that structure of the crystal breaks up, is called:	A. Critical temperature B. Temperature of vaporization C. Melting point D. Both A and C E. Both A and B
6	1^{st} superconductor was discovered in year	A. 1890 B. 1930 C. 1895 D. 1911
7	A wire of 100 mm length and 1 mm^2surface area stretches 10 mm under a load of 60 N. A second wire of same material, with half the diameter of the first wire is stretched by the same load. What is the extension in the second wire?	A. 20 mm B. 30 mm C. 40 mm D. 50 mm
8	The saturation of the material reached when magnetic flux density changes from	A. Zero to minimum value B. Zero to maximum value C. Maximum to zero value D. Minimum to negative value
9	Ductility is the property of a substance in which a material undergoes the deformation as	A. Elastic deformation B. Plastic deformation C. Shear deformation D. None of these
10	Ferromagnetic materials are those in which atoms cooperate with each other	A. Weakly B. Strongly C. Moderately D. None of these
11	Every crystalline solid has	A. definite melting point B. different melting points C. may or may not be definite D. none of them
12	The value of young modulus in $Nm^{-2}$for water is	A. 70 x 10 B. 2.2 x 10⁵ C. Zero D. None of these
13	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
14	The unit cell of the shape of match box is called	A. Cubic B. Tetragonal C. Orthorhombic D. Rhomboheral
15	A steel bar can bear a load of 20 tons. If the thickness of bar is double, then for the same depression it can bear a load of:	A. 40 ton B. 80 ton C. 160 ton

		D. 5 ton
16	The ability of anybody to return, to its original shape is called	A. Elasticity B. Elastic force C. Stress D. Strain
17	Which one is ferromagnetic	A. Ferries B. Cobalt C. Nickel D. All
18	Young's modulus for glass is	A. 15 B. 35 C. 39 D. 55
19	Super conductors are materials like	A. Alloys B. Ceramic C. Semiconductors D. a and b
20	Young's modulus for diamond is	A. 700 B. 913 C. 1100 D. 1120