MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	The band full of electrons, which donot play any part in the conduction process is known as	A. Conduction band B. Forbidden energy band C. Valence band D. Completely filled band
2	The modulus of rigidity of a liquid is:	A. Zero B. 1 C. Infinite D. None of these
3	Such substance which break soon after crossing the elastic limit is called	A. Weak substance B. Ductile substance C. Brittle substance D. Organic substance
4	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
5	The young s modulus for a perfectly rigid body is	A. Zero B. 1 C. Infinite D. None of these
6	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
7	Young's modulus for steel is	A. 100 B. 200 C. 300 D. 400
8	If both the length and radius of the wire are doubled,how does the modulus of elasticity change?	A. Becomes one fourth B. Halved C. Doubled D. Remains unchanged
9	A material with high retentively and large corcivety most useful to make	A. Electromagnet B. Permanent magnet C. Choke D. None of these
10	The value of young's modulus is maximum for:	A. Dimond B. Copper C. Ice D. Mercury E. Water
11	The unit cell of the shape of match box is called	A. Cubic B. Tetragonal C. Orthorhombic D. Rhomboheral
12	The magnetic fields produced by electron in an atom is due to	A. Spin motion B. Orbital motion C. Both a & b D. All above
13	Which of the following is not true for a crystalline substance	A. Shorter range order B. Isotropic electrical conductivity C. Flat surface D. Sharp melting point
14	The electrical behavior of semiconductor depends on the material purity which is	A. Sensitive B. Extremely sensitive C. Non-sensitive D. None of these
15	A solid subjected to deformation along one dimension	A. Only have tensile stress B. Only have compressive stress C. Have both tensile and

		compressive stress D. None of them
16	An n-type semiconductor is obtained by doping germanium or silicon with	A. Tetravalent impurity B. Trivalent impurity C. Pentavalent impurity D. Monovalent inpurity
17	Under the elastic region, the deformation produced in the material is	A. permanent B. temporary C. either of them D. none of them
18	Bulk modulus for tungsten is	A. 50 B. 100 C. 150 D. 200
19	Shear modulus for steel is	A. 20 B. 84 C. 95 D. 202
20	A wire breaks of stretched by more than 3mm. It is cut into equal parts. Then each part can be stretched with out-breaking by	A. 0.75 mm B. 1.5 mm C. 3.0 mm D. 6.0 mm