MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	The ratio of kinetic energy to potential energy for solids is	
2	Bulk modulus for mercury is	A. 27 B. 29 C. 29.4 D. 30
3	The bands below the valence band are	A. completely filled and play active part in conduction process B. completely filled and plays no part in conduction process C. not completely filled and play active part in conduction process D. not completely filled and play no part in conduction process
4	Bulk modulus for aluminium is	A. 40 B. 70 C. 75 D. 95
5	The combination of solenoid and a specimen of iron inside it make a power full magnet called	A. Horse shoe magnet B. Bar magnet C. Electromagnet D. 10⁻¹⁰ to 10¹⁸
6	Acceptor impurities donate	A. Holes B. Electrons C. Both Electrons and Holes D. None of them
7	The whole structure obtained by the repetition of unit cells is called:	A. Crystal lattice B. Amorphous solid C. Polymeric solid D. Polystrene E. None of these
8	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
9	Which of the following theory completely explain the three types of materials?	A. Bohr model of electron distribution B. Rutherford atomic model C. Pauli's exclusion principle D. energy band theory
10	When a germanium atom is doped with phosphorous atoms it becomes	A. N-type semiconductor B. p-type semiconductor C. An insulator D. None of them
11	The maintaining the elastic limits of any body, the relation stress to strains is called	A. Hooke's law B. Pascal's law C. Young's law D. None of them
12	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
13	_____ does not have linear strain	A. Water B. Copper C. Aluminum D. Iron
14	polymeric solids have	A. low specific gravity B. high specific gravity C. either of them D. none of them

15	The first superconductor was discovered in	A. 1905 B. 1911 C. 19161 D. 1920
16	A valance band in solids is	A. Always completely filled B. Empty C. Either completely or partially filled D. None
17	Which of the material is brittle ?	A. Steel B. Low carbon steel C. High carbon steel D. None of these
18	When a large number of atoms are brought close to one another to form a solid, each energy level of an isolated atom splits into sub-levels, called	A. energy bands B. energy shells C. states D. all of them
19	Two substances having the same crystal structure are called:	A. Isomorphism B. Subtance C. Allotropic subtances D. Polymorphous substances
20	The energy dissipated per cycle for iron in hysteresis loop is	A. less than for steel B. equal to the steel C. more than the steel D. any one of them