MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	Super conductor offers no resistance to	A. Thermal agitation B. Electric current C. Induced current D. None of these
2	A regular, repetitive, three-dimensional pattern of points, which represent the position of molecules, atoms or ions in the crystal, is called:	A. Unit cell B. Space lattice C. Crystal D. None of these
3	Donor impurities donate	A. Holes B. Electrons C. Both holes and electrons D. None of them
4	A cable breaks if stretched by moe than 2mm, it is cut into two equal parts. How much either [art can be stretched without breaking?	A. 25 m B. 1 mm C. 2 mm D. 0.5 m
5	The ratio of volume stress/volume strain is called as	A. modulus B. Bulk modulus C. shear modulus D. Young's modulus
6	When a silicon crystal is doped with a pentavalent element, then the atom of the pentavalent element is known as	A. acceptor B. donor C. either of them D. none of them
7	In conductors, the valence band and conduction bands are	A. Touch each other B. Overlapped each other C. Largely overlapped D. None of these
8	The theory which explains the vast diversity in an electrical behaviour of all types the materials is	A. Free electron theory B. Band theory C. Theory based as chemical properties D. None of these
9	What is the Young modulus of a meta?	A. Extension/force B. Force/extension C. Strain/stress D. Stress/strain
10	When a crystal is subjected to stress, it tends to break or fracture along definite direction which is characteristic of a simple. This is called	A. Cleavage B. Allotropy C. Isotropy D. None of these
11	Young's modulus for mercury is	A. 0 B. 2 C. 5 D. 6
12	If the stress increased on a material is beyond the yield strength of the material is called	A. Plasticity B. Elasticity C. Still in elasticity D. None of these
13	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
14	The subtances which break just after the elastic limit is reached are known as:	A. Ductile B. Brittle C. Malleable D. Hard E. Soft
15		A. can only have distinct energy level B. can only have same energy level

15	Electrons of an isolated atom are bound to the nucleus, and?	C. may or may not have distinct energy D. none of them
16	Arsenic, antimony and phosphorous are the elements from	A. third group B. fourth group C. fifth group D. none of them
17	Shear stress addresses to the:	A. Volume changes due to the applied stress B. Shape changes due to the applied stress C. Length changes due to the applied stress D. All of the above
18	The value of young's modulus is maximum for:	A. Dimond B. Copper C. Ice D. Mercury E. Water
19	Inspite vibrations the force which hold the atoms in their ordered form is	A. Vander vall force B. Cohesive force C. Adhesive force D. None of these
20	The band above the valence band is called	A. high energy band B. conduction band C. empty band D. none of them