MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	The fractional change in volume per unit increase in pressure is called:	A. Bulk modulus B. Compressibility C. Pressure coefficient D. Volume coefficient
2	The symbol K and G have been used to denote respectively:	A. Young's modulus and bulk modulus B. Young's modulus and shear modulus C. Bulk modulus and shear modulus D. Any of these E. None of these
3	A wire length L and radius r is fixed at one end and force F applied another end produces an extension x The extension produced in another wire of the same material of length 2L and radius 2r by force 2F is	A. 1 B. I C. 21 D. 41
4	In n-type substances the minority carriers are	A. Holes B. Electrons C. Neutrons D. None
5	Examples of crystalline solids are:	A. Copper B. Zirconia C. NaCl D. All of these E. Both A and B
6	Bulk modulus for lead is	A. 2.9 B. 7.7 C. 9.3 D. 15.6
7	The valence energy band may be either	A. Completely filled B. Partially filled C. a and b D. All of them
8	What is the bulk modulus of a material?	A. strain/volumetric strain B. volumetric stress/strain C. stress/volumetric strain D. volumetric stress/volumetric strain
9	The solids which have structure in between order and disorder are called	A. amorphous solids B. polymeric solids C. crystalline solids D. all of them
10	Pure form of semiconductor is called	A. Extrinsic semiconductor B. Intrinsic semiconductor C. N type D. P type material
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	Glass is an example of	A. crystalline solid B. amorphous solid C. polymeric solid D. none of them
13	Those solid which breaks soon after crossing the elastic limit are called	A. Amorphous B. Glassy solid C. Crystalline solid D. Brittle
14	If the tensile force is suddenly removed from a wire then its temperature will	A. Decrease B. Increase C. Become zero D. Remain constant

15	When a strength changes the length of a body,it is called	A. Tensile stress B. Shear stress C. Compressional stress
16	A body is in its state of stress when it is	A. Displaced from its equilibrium position B. Remains at rest when shape changed C. Their angles change D. All of them
17	The valency of electron in the valence band is known as	A. Atom B. Molecule C. Hole D. None of these
18	The crystalline structure of NaCl is	A. rectangular B. hexagonal C. tetrahedral D. cubical
19	In the phenomenon of hysteresis.	A. magnetism leads the magnetising current B. magnetism lags behind the magnetising current C. magnetism goes along the magnetising current D. none of them
20	The modulus of elasticity of material does not depend upon	A. Shape B. Temperature C. Nature of material D. Impurities mixed