

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
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1	The critical temperature of tin is	A. 1.18 K B. 4.2 K C. 3.72 K D. 7.2 K
2	Arsenic, antimony and phosphorous are the elements from	A. third group B. fourth group C. fifth group D. none of them
3	Two substances having the same crystal structure are called:	A. Isomorphism B. Subtance C. Allotropic subtances D. Polymorphous substances
4	The ratio of linear stress/linear strain is called	A. Yong's modulus B. Bulk modulus C. shear modulus D. modulus
5	The materials in which valence electrons are bound very tightly to their atoms and are not free, are known as	A. conductors B. insulators C. semi-conductors D. all of them
6	Tick the one which is not a crystalline solid:	A. Zirconia B. Glass C. Copper D. Ceramic solid E. An ionic compound
7	What is the Young modulus of a meta?	A. Extension/force B. Force/extension C. Strain/stress D. Stress/strain
8	The substances in which atoms cooperate with each other in such a way so as to exhibit a strong magnetic effect, are called	A. diamagnetic substances B. ferromagnetic substances C. paramagnetic substances D. all of them
9	The force which maintains the strict long-range order between atoms of a crystalline solid is the:	A. Nuclear force B. Cohesive force C. Adhesive force D. Coulomb force E. None of these
10	The forbidden energy gap in semiconductors	A. Lies just below the valence band B. Lies just above the conduction band C. Is the same as the valence band D. Lies between the valence band and conduction band
11	In super conductors, once the current is established it exists	A. 1 day B. 30 days C. indefinitely D. None of these
12	In superconductors, the resistance of a material drops to zero and no	A. Power is dissipated B. Energy is dissipated C. Current is dissipated D. None of these
13	Amorphous materials have the properties of solids like	A. No structure B. Like liquid C. Glassy D. a and c
14	Super conductors are materials like	A. Alloys B. Ceramic C. Semiconductors D. a and b

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15	The dimensional formula for the modulus of elasticity is same as that for:	A. Stress B. Strain C. Velocity D. Surface tension
16	Which of the following is not dimension less	A. Poission ration B. Sharing strain C. Longitudinal strain D. Volume stress
17	In the stress-strain graph stress is increased linearly with strain until a point is reached this point is known as	A. Plastic limit B. Plastic deformation C. Proportional limit D. Elastic behaviour
18	is a pattern which has got one more atom at the centre of a simple cube.	A. Simple cube B. Face centered cube C. Body centered cube D. None of these
19	The energy need to magnetize and demagnetize the specimen during the each cycle of magnetizing current is	A. Value of current B. Value of demagnetizing current C. Value of magnetic flux density D. Area of the loop
20	The maximum stress that a material can withstand is known as	A. plastic point B. elastic point C. yield point D. ultimate tensile strength