

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	After elastic limit the shape of graph is	A. Curved B. Straight Line C. Saw tooth D. Arbitrary
2	When a body is subjected to some external force, deformation is produced in:	A. Shape B. Length C. Volume D. Any of these E. None of these
3	The first superconductor was discovered by	A. Fermi B. Kmaerlinghormes C. Weinberg D. None of these
4	Amorphous solids are more like	A. crystalline solids B. polymeric solids C. glassy solids D. any one of them
5	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
6	Bulk modulus for water is	A. 2.2 B. 4.5 C. 6.2 D. 7.3
7	The ultimate tensile strength (UTS) can be regarded as the	A. Maximum strength of the material B. Nominal strength of the material C. Minimum strength of the material D. None of these
8	A substance which have empty conduction band is called	A. Conductor B. Insulator C. Semiconductor D. None of these
9	Young's modulus for tungsten is	A. 90 B. 190 C. 390 D. 590
10	Stree is _____ property of solids	A. Electrical B. Polymeric C. Conductive D. Mechanical
11	The cores of electromagnets used for alternating currents where the specimen repeatedly undergoes magnetization and demagnetization should have	A. broad hysteresis curves B. narrow hysteresis curves C. any one of the them D. none of them
12	Conductivity of semiconductor is of order of	A. 10^{-6} to $10^4 \Omega^{-1} m^{-1}$ B. 10^{-10} to $10^{20} (\Omega m)^{-1}$ C. 10^7 to $10^1 \Omega m^{-1}$ D. None
13	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
14	Polymeric solids have the properties like	A. No definite shape B. No definite structure C. Partially crystalline solids D. All of them

15	Examples of polymeric substances are:	A. Plastic B. Synthetic rubbers C. Zirconia D. All of these E. Both A and B
16	Bulk modulus for glass is	A. 2 B. 31 C. 36 D. 42
17	Identify practical use of superconductor	A. MRI B. Super computer C. Magnetic levitation train D. All above
18	The valence energy band can never be	A. Filled B. Partially filled C. Empty D. None of these
19	In the phenomenon of hysteresis, the magnetism and magnetizing current behaves as	A. I lags B. I leads B C. I & B becomes equal D. None of these
20	Amorphous solids:	A. Have definite melting point B. Are called glassy solids C. Have no definite melting point D. Both B and C E. Both A and C