

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	When a strength changes the length of a body, it is called	A. Tensile stress B. Shear stress C. Compressional stress
2	The bonding between the semi-conductor materials is	A. covalent B. ionic C. either of them D. none of them
3	Solids which have no regular atomic structure are called	A. Crystalline solid B. elastic solid C. Glassy solid D. All of these
4	The metals become electrically conducting due to their	A. Ductility B. Hardness C. Structure D. All of them
5	The stress which increase the length in one dimension only is called	A. length stress B. only have compressive stress C. Have both tensile and compression stress D. None of them
6	Shear modulus for water is	A. - 4.7 B. - 3.3 C. - 1.2 D. 0
7	A material most suitable to make the permanent magnet are	A. High retentivity B. Large coercive current C. Small domain friction D. a and b
8	When an atom is surrounded by large number of atoms their the energy levels are	A. Distinct B. Very close C. Energy band D. None of these
9	The SI unit of stress is same as that of	A. Momentum B. Pressure C. Force D. Length
10	A semi conductor in its extremely pure form is known as	A. extrinsic semi-conductor B. intrinsic semi-conductor C. either of them D. none of them
11	Bulk modulus for steel is	A. 60 B. 120 C. 160 D. 170
12	A material with high retentivity and large coercivity most useful to make	A. Electromagnet B. Permanent magnet C. Choke D. None of these
13	On applying a stress of $20 \times 10^8 \text{Nm}^{-2}$, the length of perfectly elastic wire is doubled. Its young' modulus is	A. $40 \times 10^8 \text{N/m}^2$ B. $20 \times 10^8 \text{N/m}^2$ C. $10 \times 10^8 \text{N/m}^2$ D. $5 \times 10^8 \text{N/m}^2$
14	Super conductor offers no resistance to	A. Thermal agitation B. Electric current C. Induced current D. None of these

15	In a soft iron, domains are	A. easily oriented along external field and do not return to original random positions B. easily oriented along external field and readily returns to originally random positions C. do not oriented along external field and also do not returns to original random position D. none of them
16	The smallest portion of a crystal lattice that if repeated in three-dimensions will generate the entire lattice is called:	A. Unit cell B. Lattice plane C. Crystal D. None of these
17	Solids having partially field conduction bands are	A. Insulator B. Semiconductor C. Super conductor D. Semi conductor
18	The critical temperature of lead is	A. 1.18 K B. 4.2 K C. 3.72 K D. 7.2 K
19	A special alloy called Alnico is known as	A. Soft magnetic material B. Hard magnetic material C. In between soft and hand magnetic material D. None of these
20	When a stress changes length, it is called the	A. compressional stress B. tensile stress C. shear stress D. any one of them