

## 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	When a stress change its shape it is called	A. Tensile stress B. Shear stress C. Volume stress D. None of these
3	Bulk modulus for bass is	A. 20 B. 41 C. 61 D. 81
4	When a stress changes its volume it is called	A. Tensile stress B. Shear stress C. Volume stress D. None of these
5	When a stress changes length, it is called the	A. compressional stress B. tensile stress C. shear stress D. any one of them
6	The pattern of a crystalline solid is:	A. One dimensional B. Two dimensional C. Three dimensional D. Either A or B E. None of these
7	The conduction of electrons takes place and conduct electric current through solids is a	A. Energy band B. Conduction band C. Valence band D. Completely filled band
8	The limit up to which the stress is directly proportional to strain is called	A. Elastic limit B. Proportional limit C. Breaking limit D. Ultimate tensile limit
9	Such substances which break soon after they cross elastic limit is called	A. Weak substance B. Ductile substance C. Brittle substance D. Organic substance
10	The ratio of volume stress/volume strain is called as	A. modulus B. Bulk modulus C. shear modulus D. Young's modulus
11	In semiconductors, at 0 K, the electrons in conduction band is	A. Partially filled B. No C. Yes D. None of these
12	Magnetic permeability is maximum for	A. Dia-magnetic B. Ferromagnetic C. Paramagnetic D. Non-magnetic
13	The transition from solid to liquid state is:	A. Abrupt B. Slow C. Continuous D. Discontinuous E. Both A and D
14	A material with high retentivity and large coercivity most useful to make	A. Electromagnet B. Permanent magnet C. Choke D. None of these
15	The young s modulus for a perfect rigid body is	A. Zero B. 1 C. Infinite

D. None of these

16 Synthetic materials fall into the category of

- A. crystalline solids
- B. amorphous
- C. polymeric solids
- D. all of them

17 Stress maybe:

- A. Tensile
- B. Compressive
- C. Compressible
- D. All of these
- E. Both (A) and (B)

18 A certain force  $F$  increases the length of a wire by 1 mm. The force required to increase its length by 2mm is

- A. 2  $F$
- B. 4  $F$
- C. 8  $F$
- D. 16  $F$

19 Tick the one which is not a crystalline solid:

- A. Zirconia
- B. Glass
- C. Copper
- D. Ceramic solid
- E. An ionic compound

20 Elastic deformation of a material is the deformation which is

- A. Permanent
- B. Temporary
- C. Some what permanent
- D. None of these