

## MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
SI	Questions	
1	Super conductors are the those materials whose resistivity becomes zero below certain temperature called	A. Curie temperature     B. Fixed temperature     C. Critical temperature     D. None of these
2	The results of mechanical tests are usually expressed in terms of:	A. Stress B. Applied force C. Strain D. Deformation E. All of these
3	What is the unit of the Young's modulus?	A. N m <sup>-2</sup> B. N m <sup>-1</sup> C. N m D. N m <sup>2</sup>
4	When a stress changes its length, it is called	A. Stress B. Tensile stress C. Shear stress D. None of these
5	If one atom or molecule lies out each of the eight corners of a cube, it is called	A. Simple cube B. Face centered cube C. Body centered cube D. None of these
6	Examples of brittle substances are	A. Glass B. Copper C. Lead D. None of these
7	Young's modulus for water is	A. 0 B. 2 C. 5 D. 9
8	Bulk modulus for ice is	A. 5 B. 6 C. 7 D. 8
9	How many types of strain is	A. 1 B. 2 C. 3 D. 4
10	Examples of polymeric substances are:	A. Plastic B. Synthetic rubbers C. Zirconia D. All of these E. Both A and B
11	Young's modulus for ice is	A. 3 B. 14 C. 20 D. 32
12	A women of 50 kg distributes her wright equally over high-heeld shoes. Each heel has an area of 0.75 cm <sup>2</sup> . The pressure exerted by each heel will be	A. 6.66 x 10 <sup>6</sup> Pa B. 3.33 x 10 <sup>6</sup> Pa C. 1.67 x 10 <sup>6</sup> Pa D. 3.33 x 10 <sup>-6</sup> -6
13	The materials in which there are plenty of free electrons for electrical conduction are known as	A. conductors B. insulators C. semi-conductors D. all of them
14	The SI unit of stress is same as that of	A. Momentum B. Pressure C. Force D. Length

15	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
16	A semiconductor is known to have an electron concentration of $8 \times 10^{13}$ per cm <sup>3</sup> and hole concentration of $5 \times 10^{12}$ per cm <sup>3</sup> the semiconductor is	A. n-type B. P-type C. Intrinsic D. None of these
17	Which of the following strain are possible in solids	A. Linear B. Volumetric C. Shear D. All of these
18	Which of the given elements is a diamagnetic material	A. Antimony B. Bismuth C. Copper D. All of these
19	Which one is ferromagnetic	A. Ferries B. Cobalt C. Nickel D. All
20	Domains are present only in	A. Diamagnetic material      B. Para magnetic material     C. Ferromagnetic material     D. All of these