

Physics ICS Part 2 Chapter 17 Online MCQ's Test

Sr	Questions	Answers Choice
1	Yield stress is another name of	A. Plasticity B. Proportional limit C. Elastic limit D. Both (b) and (c)
2	The unit of strain is:	A. Nm B. Nm^{-2} C. no unit D. Nm^2
3	Recently a complex crystalline structure known as yttrium barium copper oxide ($\text{YBa}_2\text{Cu}_3\text{O}_7$) have reported to become super conductor at	A. 163 K B. 169 K C. 200 K D. 100 K
4	If both the length and radius of the rod are doubled, then the modulus of elasticity will:	A. Increase B. Decrease C. Remains the same D. Doubled
5	The first superconductor was discovered in:	A. 1831 B. 1911 C. 1921 D. 1876
6	The critical temperature of mercury is.	A. 1.18 K B. 4.2 K C. 3.72 K D. 7.2 K
7	Very weak magnetic field produced by brain can be detected by	A. MRI B. CAT scans C. Squid D. CRO
8	Domains are existed in	A. Ferromagnetic materials B. Paramagnetic materials C. Semi conductors D. Diamagnetic materials
9	Natural rubber is an example of:	A. Crystalline solids B. Amorphous solids C. Polymeric solids D. None of above
10	The material whose resistivity becomes zero below a certain temperature	A. Conductors B. Semi conductors C. Super conductors D. Insulators
11	Glass and high steel carbon are example of.	A. Ductile substances B. Brittle substances C. Soft substances D. Hard substances
12	The substance which atom cooperates with each other in such a way so as to exhibit a strong magnetic field is called.	A. Ferromagnetic B. Paramagnetic C. Diamagnetic D. Non magnetic
13	Which one is not a ductile material	A. Lead B. Steel C. Copper D. Wrought Iron
14	Shear modulus is expressed as:	A. $G = \tan\theta/F/A$ B. $F/A/\tan\theta$ C. $F/\tan\theta$ D. $\tan\theta/A$
15	Substance which break just after the elastic limit is reached are called as.	A. Ductile substances B. Hard substances C. Britto substances D. Soft substances

16	Which of the modulus of elasticity is involved in compressing a rod to decrease its length ?	A. Young's modulus B. Bulk modulus C. Modulus of elasticity D. None of these
17	substance which undergo plastic deformation until they break are known as.	A. Brittle substances B. Ductile substance C. Non magnetic substance D. Magnetic substance
18	The conductors having the conductivity of the order of	
19	Soft magnetic material is	A. Sodium B. Steel C. Iron D. Copper
20	Semiconductors have conductivity of order:	A. 10^{-8} to 10^{-6} (Ωm) B. 10^{-6} to 10^{-4} (Ωm) C. 10^2 to 10^5 (Ωm) D. 10^{-5} to 10^{-7} (Ωm)