MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	The magnetic field produced due to circulating currents. The idea was first given by	A. Faraday B. Ampere C. Lenz D. None of these
2	Change in length divided by original length is called:	A. tress B. Young's modulus C. Strain D. Both (B) or (C) E. None of these
3	If S is the stress and Y is Young's modulus of the material of a wire, the energy stored in the wire per unit volume is	A. 2 S²Y B. S²/2Y C. 2Y/S² D. S/2Y
4	The valence energy band may be either	A. Completely filled B. Partially filled C. a and b D. All of them
5	A hole in a semi-conductor material is treated as	A. positive charge B. negative charge C. neutral D. none of them
6	The electrical resistance of mercury disappeared below temeprature	A. 2.1 K B. 3.4 K C. 4.1 K D. 4.2 K
7	Young's modulus for diamond is	A. 700 B. 913 C. 1100 D. 1120
8	Young's modulus for aluminium is	A. 30 B. 70 C. 80 D. 100
9	Domains are present only in	A. Diamagnetic material B. Para magnetic material C. Ferromagnetic material D. All of these
10	Pure form of semiconductor is called	A. Extrinsic semiconductor B. Intrinsic semiconductor C. N type D. P type material
11	The deformation produced in the body by an applied force in their	A. Shape B. Length C. Volume D. All of them
12	The bands below the valence band are	A. completely filled and play active part in conduction process B. completely filled and plays no part in conduction process C. not completely filled and play active part in conduction process D. not completely filled and play no part in conduction process
13	What is the Young modulus of a meta?	A. Extension/force B. Force/extension C. Strain/stress D. Stress/strain
14	The SI unit of stress is	A. Nm² B. Nm C. dynesm⁻¹

		D. N
15	Each domain contains the atoms of range of	A. 10⁻¹⁰ to 10¹⁸ B. 10¹⁰ to 10¹⁶ C. 10¹² to 10¹⁷ D. 10¹² to 10¹⁶
16	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
17	After curie temperature iron is	A. Ferromgnetic B. Diamagnetic C. Paramagnetic D. None
18	Which of the following is not dimension less	A. Poission ration B. Sharing strain C. Longitudinal strain D. Volume stress
19	A material with high retentively and large corcivety most useful to make	A. Electromagnet B. Permanent magnet C. Choke D. None of these
20	Synthetic materials fall into the category of	A. crystalline solids B. amorphous C. polymeric solids D. all of them