

MDCAT Physics Chapter 13 Deformation of Solids MCQ's Test

Sr	Questions	Answers Choice
1	Above the curie temperature, iron becomes	A. ferromagnetic B. paramagnetic C. diamagnetic D. any one of them
2	Which of the following have the same unit:	A. Both (A) and (C) B. Both (A) and (B) C. Modulus elasticity D. Strain E. Stress
3	Solids which have no regular atomic structure are called	A. Crystalline solid B. elastic solid C. Glassy solid D. All of these
4	Polymeric solids have the structure	A. One dimensional B. Two dimensional C. Zero dimension D. Three dimensional
5	The critical temperature of tin is	A. 1.18 K B. 4.2 K C. 3.72 K D. 7.2 K
6	Diamagnetic substances are those in which	A. Spin and orbital motions are supported B. Spin and orbital motions are opposed; C. Resultant of spin and orbital motion is zero D. None of these
7	Pure form of semiconductor is called	A. Extrinsic semiconductor B. Intrinsic semiconductor C. N type D. P type material
8	The critical temperature for mercury is	A. 1.18 K B. 4.2 K C. 3.72 K D. 7.2 K
9	Hysteresis is the loop in which the material is magnetized and its curve never pass through	A. The same line B. One side of origin C. Origin D. None of these
10	The modulus of elasticity of material does not depend upon	A. Shape B. Temperature C. Nature of material D. Impurities mixed
11	Question Image	
12	Bulk modulus for steel is	A. 60 B. 120 C. 160 D. 170
13	A steel wire 12 mm in diameter is fastened to a log and them pulled by a tractor. The length of stire between the log and tractor is 11 m. The force of 10,000 N is required to pull the log. What is stress	A. 84.46 MPa B. 85.46 MPa C. 88.46 MPa D. 89.46 MPa
14	The combination of solenoid and a specimen of iron inside it make a power full magnet called	A. Horse shoe magnet B. Bar magnet C. Electromagnet D. 10^{10} to 10^{18}
15	Youna's modulus for diamond is	A. 700 B. 913

16 An ordinary glass gradually softens into a paste-like state before it becomes a very viscous liquid. It happens almost at:

A. 800°C

B. 500°C

C. 300°C

D. 100°C

E. None of these

17 Bulk modulus for tungsten is

A. 50

B. 100

C. 150

D. 200

18 Nm^{-2} or Pa are the units of

A. Stress

B. Strain

C. Modulus of Elasticity

D. a and b

19 A cable breaks if stretched by more than 2mm, it is cut into two equal parts. How much each part can be stretched without breaking?

A. 25 m

B. 1 mm

C. 2 mm

D. 0.5 m

20 Shear modulus for steel is

A. 20

B. 84

C. 95

D. 202
