

Physics ECAT Pre Engineering Chapter 17 Physics of Solid Online Test

C _r	Ougations	Anguara Chaica
Sr	Questions	Answers Choice
1	Semi-conductor elements have atoms with	A. 2 valence electrons B. 3 valence electrons C. 4 valence electrons D. 5 valence electrons
2	On heating, glass gradually softens into a paste like before it becomes a very viscous liquid at almost	A. 600 b style="color: rgb(34, 34, 34); font-family: sans-serif;">°C B. 7600 b style="color: rgb(34, 34, 34); font-family: sans-serif;">°C C. 800 b style="color: rgb(34, 34, 34); font-family: sans-serif;">°C D. 900 b style="color: rgb(34, 34, 34); font-family: sans-serif;">°C D. 900 b style="color: rgb(34, 34, 34); font-family: sans-serif;">°C
3	The word amorphous means:	A. Without any structure B. With definite structure C. Regular arrangement of molecules D. Both (B) and (C) E. None of these
4	The ability of the body to return to its original shape is called	A. deformation B. stretching C. compressing D. elasticity
5	The doped semi-conductor materials are known as	A. intrinsic semi-conductor B. extrinsic semi-conductor C. either of them D. none of them
6	In the phenomenon of hysteresis	A. magnetism leads the magnetising current B. magnetism lags behind the magnetising current C. meganetism goes along the magnetising current D. none of them
7	If the stress increased beyond the elastic limit of the material, the deformation produced in the material will be	A. permanent B. temporary C. either of them D. none of them
8	The ratio of linear stress/linear strain is called as	A. Yong's modulus B. Bulk modulus C. Shear modulus D. Modulus
9	When relatively simple molecules are chemically combined into massive molecules, the reaction is called:	A. Fission reaction B. Fusion reaction C. Polymerization D. Any of these E. None of these
10	The number of different crystals systems based on the geometrical arrangement of their atoms and the resultant geometrical structure are	A. 5 B. 7 C. 9 D. 14
11	Recent studies of ferromagnetism have shown that there exists in ferromagnetic substances small regions called	A. tiny regions B. domains C. vectors D. none of them
12	In case of the three dimensional deformation, when volume is involved, the ratio of applied stress to volumetric strain is called	A. Young's modulus B. Bulk modulus C. Shear modulus D. all of them
13	The ratio of shearing stress/shearing strain is called as	A. Modulus B. Pascal modulus C. Hooker's modulus D. Shear modulus
		A. amorphous solids

14	The solids which has structure in-between order and disorder are called	B. polymeric solids C. crystalline solids D. all of them
15	Above the curie temperature, iron becomes	A. ferromagnetic B. paramagnetic C. diamagnetic D. any one of them
16	The substances which break just after the elastic limit is reached, are known as	A. brittle substances B. ductile substances C. plastic substances D. elastic substances
17	Within each domain, the magnetic field of all the spinning electrons are	A. parallel B. antiparallel C. perpendicular D. all of them
18	Synthetic materials fall into the category of	A. crystalline solids B. amorphous C. polymeric solids D. all of them
19	The solids are classified as:	A. Metals B. Crystalline C. Amorphous D. Polymeric E. All except (A)
20	The magnetism produced by electrons within an atom can arise from	A. electrons orbiting the nucleusB. electrons posses a spinC. both motionsD. none of these motions