

## Physics ECAT Pre Engineering Chapter 17 Physics of Solid Online Test

Sr	Questions	Answers Choice
1	Tick the one which is not polymer solid:	A. Zirconia B. Polythene C. Nylon D. Synthetic rubber E. None of these
2	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
3	The transition from solid state to liquid state is:	A. Abrupt B. Slow C. Continous D. Discontinous E. Both (A) and (D)
4	In crystalline solids, atoms are held about their equilibrium positions depending upon the strength of:	A. Adhesive force B. Nuclear forces C. Inter atomic cohesive force D. Electromagnetic force E. None of these
5	Crystalline solids are in the form of:	A. Metals B. lonic Compounds C. Ceramics D. Both (A) and (B) E. All of these
6	Which of the following can become a good temporarily magnet	A. iron B. steel C. both of them D. none of them
7	The curie temperature of iron is about	A. 250 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span> B. 500 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span> C. 750 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span> D. 1000 <span style="color: rgb(84, 84, 84); font-family: arial, sans-serif; font-size: small;">°C</span>
8	The units of modulus of elasticity are	A. Nm <sup>-2</sup> B. Nm C. ms <sup>-1</sup> D. Pascal
9	A structure of polymeric solid is:	A. An ordered structure B. A disordered structure C. Intermediate between order and disorder D. Any of these E. None of these
10	The measure of the deformation in a solid when stress is applied to its is called	A. elastic constant B. young's modulus C. strain D. elasticity
11	In metallic crystals which of the following thing remains constant	A. amplitude of oscillations     B. temperature of solid     C. average atomic positions     D. all of them
12	The ratio of shearing stress/shearing strain is called as	A. Modulus B. Pascal modulus C. Hooker's modulus D. Shear modulus
		A. short range order

13	The cohesive forces between atoms, molecules or ions in crystalline solids maintain the strict	B. long range order C. both of them D. none of them
14	The transition from solid to liquid is actually from:	A. Order to disorder B. Disorder to order C. Order to order D. Disorder to disorder E. None of these
15	Under the elastic region, the deformation produced in the material, the deformation produced in the material will be	A. permanent B. temporary C. either of them D. none of them
16	Examples of crystalline solids are:	A. Cooper B. NaCl C. Zirconia D. Both (A) and (B) E. All of these
17	The pattern of NaCl particles have a shape which is :	A. Cubic B. Body centred cubic C. Simple cubic D. face centred E. Both (A) and (C)
18	The crystalline structure of NaCl is	A. rectangular B. hexagonal C. tetrahedral D. cubical
19	The substance in which atoms cooperate with each other in such a way so as to exhibit a strong magnetic effect, are called	A. diamagnetic substances     B. ferromagnetic substances     C. paramagnetic substances     D. all of them
20	The critical temperature of mercury is	A. 1.18 K B. 4.2 K C. 3.72 K D. 7.2 K