

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

Sr	Questions	Answers Choice
1	The modulus of elasticity can be written as	A. stress x strain B. strain/stress C. $\frac{1}{2}$ x stress x strain D. stress/strain
2	Experiments revealed that the ratio of the stress to the strain is a constant value for	A. different material B. all materials C. a given material D. all of them
3	The SI unit of strain is	A. N B. Dynes C. Pascal D. Dimensionless
4	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
5	When a stress changes the shape, it is called the	A. compressional stress B. tensile stress C. shear stress D. any one of them
6	When a stress changes length, it is called the	A. compressional stress B. tensile stress C. shear stress D. any one of them
7	The SI unit of stress is	A. $\text{N/m}^2$ B. Nmc C. dynes/m D. N
8	The force applied on unit area to produce any change in the shape, volume or length of a body is known as	A. strain B. elasticity C. stretching D. stress
9	The results of mechanical tests are usually expressed in terms of	A. stress B. strain C. stress and strain D. neither stress nor strain
10	The ability of the body to return to its original shape is called	A. deformation B. stretching C. compressing D. elasticity
11	The crystalline structure of NaCl is	A. rectangular B. hexagonal C. tetrahedral D. cubical
12	The smallest three dimensional basic structure in a crystalline solid is called	A. lattice point B. crystal lattice C. cubic crystal D. unit cell
13	Polymeric solids have	A. low specific gravity B. high specific gravity C. either of them D. none of them
14	Synthetic materials fall into the category of	A. crystalline solids B. amorphous C. polymeric solids D. all of them
15	On heating, glass gradually softens into a paste like before it becomes a very viscous liquid	A. 600 B. 7600 C. 800 D. 1000

at almost

C. 800<b style="color: rgb(34, 34, 34); font-family: sans-serif;">°</b>C  
D. 900<b style="color: rgb(34, 34, 34); font-family: sans-serif;">°</b>C