

## Physics ICS Part 2 Chapter 17 Online MCQ's Test

| Sr | Questions  | Answers Choice  |
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| 1  | Which of the following has least hysteresis loop area.                                     | A. Steel<br>B. Wrought Iron<br>C. Soft Iron<br>D. Cobalt  |
| 2  | Which one is not a crystalline solid.  | A. Zinc<br>B. Copper<br>C. Nylon<br>D. None of these  |
| 3  | The solids are classified as   | A. Polymeric<br>B. Amorphous<br>C. Crystalline<br>D. All of above                                 |
| 4  | A wire stretched to double of its length, its strain is:                                   | A. 2<br>B. 1<br>C. 0<br>D. 0.5  |
| 5  | Which one of the following is polymeric solids   | A. Glass<br>B. Nylon<br>C. Copper<br>D. Zinc  |
| 6  | Natural rubber is an example of:   | A. Crystalline solids<br>B. Amorphous solids<br>C. Polymeric solids<br>D. None of above           |
| 7  | After curie temperature.   | A. Ferromagnetic<br>B. Paramagnetic<br>C. Magnetic<br>D. Diamagnetic                              |
| 8  | If both the length and radius of the rod are doubled, then the modulus of elasticity will: | A. Increase<br>B. Decrease<br>C. Remains the same<br>D. Doubled                                   |
| 9  | Which one is not a ductile material  | A. Lead<br>B. Steel<br>C. Copper<br>D. Wrought Iron   |
| 10 | The critical temperature of Aluminum is.   | A. 3.72 K<br>B. 1.18 K<br>C. 7.2 K<br>D. 8.2 K  |
| 11 | A semiconductor in its extremely pure form is known as:                                    | A. Intrinsic<br>B. Extrinsic<br>C. Both a and b<br>D. None of above                               |
| 12 | Shear modulus is expressed as:   | A. $G = \tan\theta / F/A$<br>B. $F/A/\tan\theta$<br>C. $F/\tan\theta$<br>D. $\tan\theta/A$        |
| 13 | The material whose resistivity becomes zero below a certain temperature                    | A. Conductors<br>B. Semi conductors<br>C. Super conductors<br>D. Insulators                       |
| 14 | Insulators have:   | A. An empty conduction band<br>B. A full valence band<br>C. A large energy gap<br>D. All of above |
| 15 | There are different crystal systems. The number of these crystal system is.                | A. 3<br>B. 4<br>C. 5<br>D. 7  |

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| 16 | In 'N' type material, the minority charge carriers are.   | A. Free electrons<br>B. Holes<br>C. Protons<br>D. Mesons  |
| 17 | The crystalline structure of NaCl is.   | A. Cubical<br>B. Hexagonal<br>C. Tri gonal<br>D. Tetragonal   |
| 18 | substance which undergo plastic deformation until they break are known as.  | A. Brittle substances<br>B. Ductile substance<br>C. Non magnetic substance<br>D. Magnetic substance |
| 19 | The substance which atom cooperates with each other in such a way so as to exhibit a strong magnetic field is called. | A. Ferromagnetic<br>B. Paramagnetic<br>C. Diamagnetic<br>D. Non magnetic                            |
| 20 | Those materials whose resistivity becomes zero at certain temperature is called:                                      | A. Semiconductor<br>B. Super conductor<br>C. Conductor<br>D. Insulator                              |