

Physics ICS Part 2 Chapter 17 Online MCQ's Test

Sr	Questions	Answers Choice
1	Energy band theory is based upon	A. Hund's Rule B. Heisenberg uncertainty principle C. Bohr's atomic Model D. Wave mechanical model
2	Semiconductors have conductivity of order:	A. 10^{-8} to 10^6 (Ωm) ⁻¹ B. 10^{-6} to 10^4 (Ωm) ⁻¹ C. 10^2 to 10^5 (Ωm) ⁻¹ D. 10^{-5} to 10^{-7} (Ωm) ⁻¹
3	Conductors have conductivities of order:	A. 10^3 (Ωm) ⁻¹ B. 10^7 (Ωm) ⁻¹ C. 10^7 (Ωm) ⁻¹ D. 10^{-6} Ω
4	Shear modulus is expressed as:	A. $G = \tan\theta/F/A$ B. $F/A/\tan\theta$ C. $F/\tan\theta$ D. $\tan\theta/A$
5	The ratio of applies stress to volumetric strain is called:	A. Young modulus B. Shear modulus C. Bulk modulus D. Tensile modulus
6	The unit of strain is:	A. Nm B. Nm^{-2} C. no unit D. Nm^2
7	The SI unit of Stress is:	A. Nm B. Nm^2 C. NM^{-2} D. Nm^3
8	Natural rubber is an example of:	A. Crystalline solids B. Amorphous solids C. Polymeric solids D. None of above
9	The solid with definite M.L are called:	A. Crystalline B. Amorphous C. Polymeric D. None of above
10	The word amorphous means:	A. Regular structured B. Without form or structure C. Frozen structured D. None of above
11	There is regular arrangement of molecules in:	A. Amorphous solids B. Crystalline solids C. Both a and b D. None of above
12	Which of the following has bulk modulus?	A. Water B. Gas C. Honey D. All
13	Coercive force is used to	A. Demagnetize the material B. Magnetize the material C. Extend it D. None of these
14	At 0 K a piece of silicon is a	A. Conductor B. Semi-conductor C. Insulator

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- 15 A pentavalent impurity in Si
- A. a free electron and a free hole
B. a free hole
C. a free electron
D. No free particle
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- 16 The domain theory of magnet is important to explain the behaviour of
- A. Diamagnets
B. Paramagnets
C. Ferromagnets
D. All of these
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- 17 The curie temp for iron is about
- A. 800°C
B. 740°C
C. 750°C
D. 650°C
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