

Physics FSC Part 2 Online MCQ's Test

Sr	Questions	Answers Choice
1	Shear modulus is expressed as:	A. $G = \tan\theta/F/A$ B. $F/A/\tan\theta$ C. $F/\tan\theta$ D. $\tan\theta/A$
2	The ratio of applies stress to volumetric strain is called:	A. Young modulus B. Shear modulus C. Bulk modulus D. Tensile modulus
3	The unit of strain is:	A. Nm B. Nm^{-2} C. no unit D. Nm^2
4	The SI unit of Stress is:	A. Nm B. Nm^2 C. NM^{-2} D. Nm^3
5	Natural rubber is an example of:	A. Crystalline solids B. Amorphous solids C. Polymeric solids D. None of above
6	The solid with definite M.L are called:	A. Crystalline B. Amorphous C. Polymeric D. None of above
7	The word amorphous means:	A. Regular structured B. Without form or structure C. Frozen structured D. None of above
8	There is regular arrangement of molecules in:	A. Amorphous solids B. Crystalline solids C. Both a and b D. None of above
9	In Series resonance circuit the impedance of circuit at resonance frequency, is	A. Maximum B. Minimum C. It is unequal to R D. None of above
10	The resonance frequency is given by:	A. $f_r = 2\pi\sqrt{LC}$ B. $f_r = 1/2\pi\sqrt{LC}$ C. $f_r = 1/2\pi\sqrt{LC}$ D. $f_1 = 1/2\pi C/L$
11	The condition of resonance is:	A. $XL = 1/2 X_C$ B. $X_L = X_C$ C. $X_L = 4X_C$ D. None of above
12	Power dissipation in A.C circuit is expressed as:	A. $P = I_{rms} V_{rms} \sin\theta$ B. $I_{rms}^2 R$ C. $I_{rms} V_{rms} \cos\theta$ D. $I_{rms} V_{rms} \sin 2\theta$
13	Power dissipation in a pure inductive or in a pure capacitance circuit is:	A. 10^6 B. 0 C. 10° D. Maximum
14	Unit of impedance is:	A. Ohm B. Ohm^{-1} C. no unit D. $Ohm m^{-1}$

- 15 Impedance is denoted by:
B. \angle
C. P
D. Q
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- 16 The combined effect of resistance and reactance in circuit is called:
A. Impedance
B. Inductance
C. Capacitance
D. None of above
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- 17 $X_L =$
A. $2\pi fL$
B. $1/2\pi fL$
C. $2\pi fL$
D. $fL/2\pi$