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1st Year Fsc Physics Online Test

Sr	Questions	Answers Choice
1	A phenomenon by which energy is dissipated from the oscillating system is called.	A. Forced oscillation B. Free oscillation C. Damping D. Simple harmonic motion
2	Oscillation of shock absorber of a car is practical example of.	A. simple harmonic motion B. Forced oscillation C. Damped oscillation D. Undamped oscillation
3	Turning of radio is example of.	A. Mechanical resonance B. Electrical resonance C. Physical resonance D. Biological resonance
4	The wavelength of wave produced by microwave oven is.	A. 12 cm B. 12 m C. 18 m D. 18 cm
5	The frequency of waves produced in microwave oven is	A. 1435 Hz B. 2450 MHz C. 1860 MHz D. 2850 Hz
6	A spring of spring constant 10 N/m after loading that amplitude is 2m. Then the maximum P.E. is	A. 10 J B. 20 J C. 30 J D. 40 J
7	Time period of simple pendulum only depends on	A. Mass B. Amplitude C. Density D. Length
8	At which place the motion of a simple pendulum will be slowest.	A. Karachi B. K-2 C. Murree D. Lahore
9	If amplitude of a simple pendulum is increased by 4 times the time period will be.	A. Four times B. Half C. Same D. Two times
10	the length of simple pendulum of time period 1 second is	A. 2 m B. 1 m C. 0.5 D. 0.25 m
11	A spring has a spring constant k. If it is cut in two equal parts, the spring constant of each part will be	A. K B. 2 K C. K/2 D. 4K
12	If the tension a stretched string is made four times then the velocity of wave.	A. Remains same B. Is halved C. Becomes twice D. Becomes 4 times
13	The time period of an oscillating mass spring system is 10 second. If mass attached to spring id doubled then time period becomes.	A. 10 sec B. 20 sec C. 5 sec D. None of these
14	The wave form of SHM is.	A. Sine wave B. Cosine wave C. Tangent wave D. Square wave
15	the distance covered during one vibration of an oscillating body in terms of amplitude 'A' is	A. A/2 B. A C. 2A D. 4A

16	The velocity of a particle having SHM is 'v' at means position. If its amplitude is doubled them velocity at mean position will be	A. v/2 B. v C. 2v D. 4 v
17	If the time period of simple pendulum is 2 seconds its frequency will be.	A. 1 Hz B. 0.5 Hz C. 1.5 Hz D. 2 Hz