

PHY 161 Test Questions

1. Another name for vibration is....

- A. Oscillation
- B. Association
- C. Motion
- D.

2. An example of a periodic motion is

- A. Forced Harmonic motion
- B. Free Harmonic Motion
- C. Simple Harmonic Motion
- D. Damped Harmonic Motion

2. If the Frequency of a Vibrating body is 25Hz. What is it's period

- A. 0.04
- B. 0.4secs
- C. 0.04secs
- D. 0.4secs

3. The energy produced by a vibrating body is

- A. Heat Energy
- B. Latent Heat
- C. Specific Heat
- D. Sound Energy

4. Which of the following is not an apparatus used in determination of Young modulus of a Loaded Cantilever

- A. Voltmeter
- B. G Clamp
- C. Screw gauge

D. Meter rule

5. Sound wave is initiated by

A. Wave particle

B. Wave

C. Mechanical waves

D.....

6. Which if the following is an instrument used in the determination of frequency of a resonance tube

A. G Clamp

B. Micrometer screw gauge

C. Beam Balance

D. Sonometer

7. To determine young modulus of a loaded cantilever a load is clamp firmly to the edge of bench by

A. N Clamp

B. P Clamp

C. G Clamp

D. B Clamp

8. Which of the following is true about velocity of sound

A. It is directly proportional to the temperature.

B. It is faster in moist air than dry air

C. It is proportional to the pressure

D. It is faster in dry air than moist air.

9. The frequency of a body is 250Hz. Calculate its wavelength taking the velocity of sound as 330m/s

A. 1.32m

B. 13.2m

C. 132m

D. 0.132m

10. Mass M1 and M2 in an experiment to determine the coefficient of viscosity are weighed on

A. Scale pan

B. Metre

C. Beam metre

D. Beam Balance

11. Calculate the acceleration due to gravity of a body of length 26cm.

A. 9.87ms^{-2}

B. 10.3ms^{-2}

C. 9.2ms^{-2}

D.....

12. In the experiment to determine coefficient of friction Graph of F against R is

A. Straight line graph

B. Parabola graph

C. Positive graph

D. Negative Graph

13. Is the force that makes an elastic body to retain its length when extended

A. Stress

B. Strain

C. Bulk modulus

D. Force constant

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