

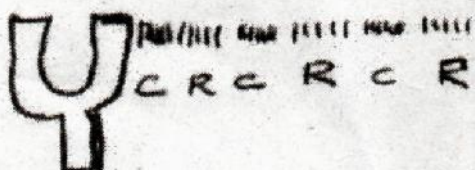
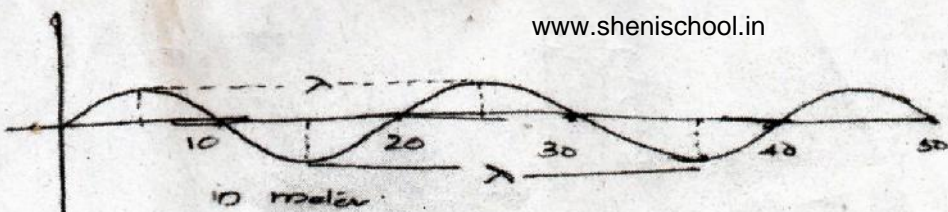
## FIRST MID TERM EXAMINATION 2016-17

12 c

## PHYSICS

Time : 1 Hour  
Total Score : 25

Std - X

1. Resistance : Ohm  
Resistivity : ----- 1
- ✓ 2. Which of the following has highest sound velocity  
Air, water, Aluminium, Iron 1
- ✓ 3. Seismic wave is an example of -----wave 1
- ✓ 4. What is the minimum distance to hear an echo? 1
5.  www.shenischool.in 1
- What do C, R represent in the given figure?
- ✓ 6. What energy conversion take place in an electric iron box? 1
- ✓ 7. Give two methods to reduce the reflection of sound 2
- ✓ 8. Write whether the following statements are true or false
- a) Light travels as longitudinal wave
- b) When intensity of current increases two times, the generated heat energy increases four times. 2
- ✓ 9. Write any two reasons to use Nichrome as heating coil in an electric iron box? 2
- ✓ 10. Name of two devices that works with the principle of multiple reflection of sound 2
11. Soldiers are not allowed to march through the suspension bridge. Why? 2
- ✓ 12.  www.shenischool.in
- Find out the frequency of the wave from the given graph? Can human beings hear this sound? Why? 3
- ✓ 13. A bulb of resistance 1000 Ohm is connected to the 230V supply. Find out the heat generated in 5 minutes 3
- 14 a) What are the factors which depends on heating effect of electrical energy? 1
- b) Which material is used as filament of a bulb? Why? 2