

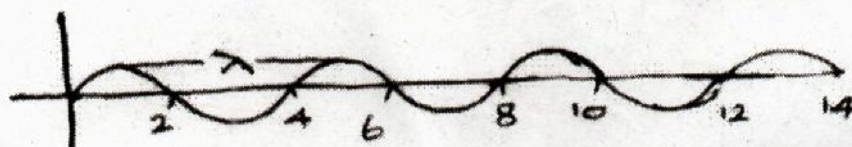
FIRST MID TERM EXAMINATION 2016-17

PHYSICS

Time : 1 Hour
Total Score : 25

Std - X

1. Frequency : Hertz 1
Heat Energy : ----- 1
2. Sound velocity in air is 1
3. Light is an example of wave 1
4. Name any two objects which absorb sound 1
5. 1



How many crests and troughs are there in the figure: 1

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6. What type of energy conversion does it take place in electric bulb? 1
7. Complete the table 1

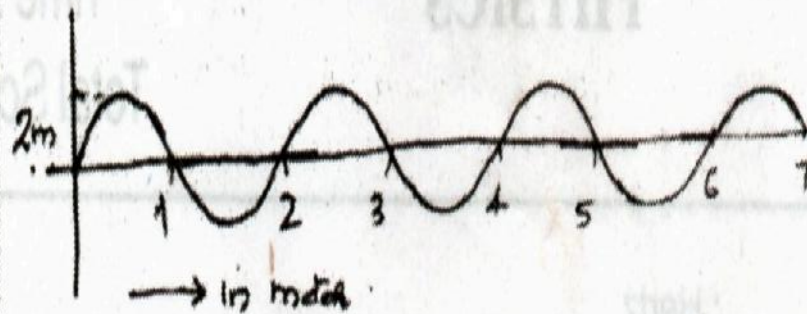
Instrument	Vibrating part	The part under goes forced vibration
Violin		Sound board, air
Tabala		

8. State the following statement whether true or false 2
 - a) The shortest distance to hear an echo is 12m. 2
 - b) Nichrome has low melting point 2
9. Which substance is used to make a fuse wire? State any one characteristic of a fuse wire 2
10. Name any two devices to make use of heating effect of electricity 2
11. Write any two factors which influence the velocity of sound 2
12. Find out the minimum distance to hear an echo when sound travels through water. 3
(the sound velocity in water is 1482 m/s)

13. Find out the heat energy generated when 0.5 A current flows through a resistor of resistance 300 ohm for 10 mts

3

14. Observe the picture



- What is the amplitude of wave given above?
- What will be the velocity of the wave it travels 800 m in 2 seconds?
- Find out its frequency.

3