



Name : .....

Date : .....

Gr/Div.	Sub.	Sr.No.
CP3 / A	physics	

**Topic: 6.1 Loudness and pitch of sound**

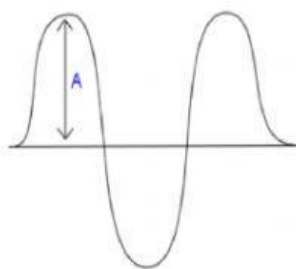
**I. Choose words from the box and fill in the blanks. 5X1=5**

1.Hertz	2.Vibrations	3.Frequency	4.Amplitude
5.High	6.Low	7. Oscillation	

1. \_\_\_\_\_ is the unit of frequency.
2. Sound is caused by -----.
3. The number of vibrations per second is \_\_\_\_\_
4. \_\_\_\_\_ determines the pitch of a sound wave.
5. If a sound has high pitch then it also has \_\_\_\_\_ frequency.

**II. Choose the correct option. 4X1=4**

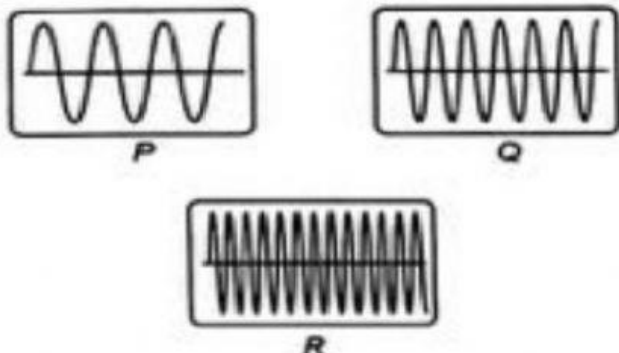
6. If the distance represented by the letter A (the amplitude) were increased, will it affect the loudness of the sound?



- a. Yes
- b. No
- c. Can't tell.

d. None.

7. Diagram shows three types of sound waves generated from speaker. Which of the following statements is true?



- a) P has a higher pitch than Q
- b) Q has a higher pitch than R
- c) R has the highest pitch
- d) P, Q and R have the same pitch

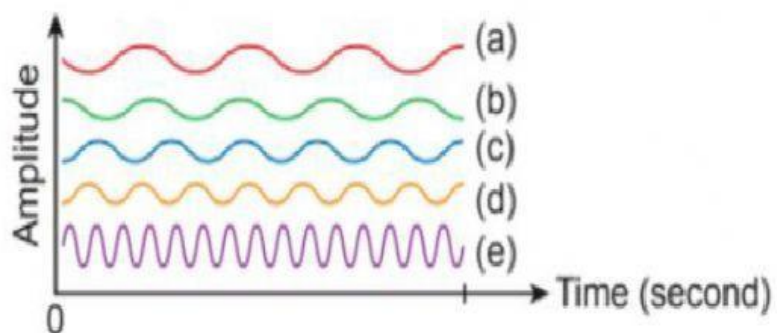
8. A longer string makes a \_\_\_\_\_ pitch than a short string.

- a) Louder
- b) Softer
- c) Lower
- d) higher

9. If a sound has a high frequency then it also has a \_\_\_\_\_

- a) High pitch
- b) Low pitch
- c) High volume
- d) Low volume

**III. Look at the wave forms and answer the following questions. 3X1=3**



10. Which wave has the highest frequency?

- i) a
- ii) b
- iii) c
- iv) d
- v) e