

# Question Bank

Science

## Class-VIII

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### **8<sup>th</sup> Physics assignment (SA-2)**

Ques 1-can sound travel through vacuum?

Ques 2-what vibrates the larynx to produce sound?

Ques 3-what is the time period taken to complete one oscillation called?

Ques 4-how does amplitude effect the loudness of vibration?

Ques 5-what controls the shrillness of the sound?

Ques 6-what is the range of audible sound for human ear?

Ques 7-what are the sounds above 20,000 Hz and below 20 Hz called?

Ques 8-write any one measure to control noise pollution?

Ques 9-write the difference between—

(1) Loudness&pitch

(2) Noise&music

(3) Audible&inaudible sounds

Ques 10-write the production of sounds in---

1) Humans

2) Birds

3) Insects like mosquitoes&bees

4) Frogs

Ques 11-what is the condition of getting a clear echo?

Ques 12-why we always hear the thunder a little after we see the flash of lightning?

Ques 13-what are the 3 main parts of the human ear? Write the function of each part also?

Ques 14-define one light year?

Ques 15-name the comet, which visits the earth every 76 years?

Ques 16-name the galaxy to which our solar system belongs?

Ques 17-why do we see the phases of moon?

Ques 18-what is the difference between---

1) Meteor and meteorite

2) Asteroids and meteors

Ques 19-why is Venus the hottest planet even though mercury is close to the sun?

Ques 20-how is pole star located in the sky?

Ques 21-Explain, how artificial satellites are used in the transmission of TV programmes to large distances?

Ques 22-1 show the refraction of light by the glass slab

2 show the dispersion of light by glass prism

Ques 23- define--- 1 relative refractive index

2 absolute refractive index

Ques 24-how is light refracted?-

1 when it comes from optically rarer to optically denser medium

2 when it comes from optically denser to optically rarer medium

Ques 25-why does a coin not visible before become visible after some water is poured into the cup?

Ques 26- a) Show the converging action of convex lens

b) Show the diverging action of concave lens

Ques 27-we are give a convex lens of focal length 15cm draw ray diagrams to show the nature, size and position of the image formed when the object is kept at the distance of—

1) 30cm

2) 15cm

3) 10cm

Ques 28-what kind of a lens can form the---

1) Virtual, erect and diminished image

2) Virtual, erect and magnified image

Ques 29-where should the object be placed to use convex lens as a magnifying glass?

Ques 30-what is the basic cause of refraction?

Ques 31-what is meant by optical centre of the lens?

Ques 32-what are the 3 special rays used for formation of images by a convex lens?

Ques 33- draw a well-labelled diagram of the human eye

Ques 34-define—

1) Persistence of vision

2) Power of accommodation

Ques 35-what is the far point of the human eye?

Ques 36-what is the least distance of distinct vision?

Ques 37-which phenomenon of vision is used in cinema photography?

Ques 38-how is the amount of light entering the eye controlled?

Ques 39-how do we see colours?

Ques 40-name the 2 main defects of vision. Discuss about their cause and their vision.

Ques 41-how is the vision of person having cataract restored?

Ques 42-what are optical and non-optical aids? Give some examples

Ques 43-explain Braille system and how is it helpful for visually impaired?