

BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA

Assignment

Subject – Science

Class - VIII

Month – February

Q1. The image of our face in a plane mirror is

- A. Real**
- B. Magnified**
- C. Diminished**
- D. None of these**

Q2. Which of the following statements is correct?

- (i) Sound is produced by vibrations.**
 - (ii) Sound requires a medium for propagation.**
 - (iii) Light and sound both require a medium for propagation.**
 - (iv) Sound travels slower than light.**
- (a) I & ii only**
 - (b) I, ii & iii only**
 - (c) ii, iii & iv only**
 - (d) I, ii & iv only**

Q3. Pitch of sound is determined by its _____

- (a) Frequency**
- (b) Amplitude**
- (c) Speed**
- (d) Loudness**

Q4. Budding is seen in _____ .

- A. Humans**
- B. Amoeba**
- C. Hydra**
- D. Bacteria**

Q5. Why we cannot see our image in the mirror in complete dark room ?

Q6. How will you convert a glass sheet into a translucent sheet ?

Q7. Why a balloon get inflated when air is filled in it?

Q8. What is the function of:

1. External ear.

2. Internal ear

Q9. Calculate the pressure when a force of 200 N is exerted on an area of:

(a) 10m^2 (b) 5m^2

The question below consists of an assertion and a Reason. Use the following key to choose the appropriate answer.

- A. If both assertion and reason are correct and reason is correct explanation of the assertion.
- B. If both assertion and reason are correct, but the reason is not the correct explanation of the assertion.
- C. If assertion is correct, but reason is incorrect.
- D. If assertion is incorrect, but reason is correct.
- E. If both assertion and reason is incorrect.

Q10. Assertion : Ignition temperature is the minimum temperature at which a substance catches fire.

Reason : All substances catch fire at same temperature.

Q11. Assertion : The colour of LPG flame is blue while a candle flame is yellow.

Reason : LPG undergoes complete combustion while wax undergoes incomplete combustion.

Q12 Assertion: Poor nutrition in adolescence can have adverse health consequences in adulthood.

Reason: A balanced and healthy diet, during adolescence promotes proper growth and over all maturity.

Q13. Read the passage carefully and answer the questions that follow-

The discovery of atmospheric pressure gives a fact that air has weight. The weight of the atmosphere presses down on the earth's surface and creates pressure on it. The pressure at any point exerted by the weight of the air above is called atmospheric pressure.

The atmospheric pressure on the earth's surface at sea level is one hundred thousand pascals i.e., 100 KPa. The atmospheric pressure at a place decrease with an increase in altitude. The atmospheric pressure at a place is the force exerted by the weight of the air column above that place. As we go up the length of the air column above us decreases. This means that its weight and the atmospheric pressure are smaller at higher places than at sea level. If the pressure of the atmosphere is removed suddenly, our blood vessels and tissues will rupture due to the pressure of the blood and other fluids

inside. Thus, the spacemen also wear special pressurised suits as in space there is no air and hence, no air pressure. At the top of a mountain, some people can feel their ears “popping” due to a decrease in air pressure. The ears pop to balance the difference in pressure inside and outside the body.

Answer the questions given below:

a) What is atmospheric pressure?

b) We know that there is a huge amount of atmospheric pressure on us. But we do not experience its effect. Why?

c) Shilpi went to Mount Everest and Shalini went to Kanchenjanga. Which one will experience higher atmospheric pressure and why?

Q14.write functions of following parts of eye:

- A. Retina
- B. Iris
- C. Pupil
- D. Optic nerves
- E. Ciliary muscles