

Kendriya Vidyalaya – Science

SECOND PERIODIC TEST-2018-19

SUBJECT-SCIENCE

CLASS-VIII

TIME : 90 min

Max.Marks : 40

All questions are compulsory

Q 1. Fill in the blanks :-

[5]

- (a) The passage of an electric current through a solution causes ----- effects.
- (b) To move a loaded trolley we have to ----- it.
- (c) Sliding friction is ----- than the static friction.
- (d) Friction produces ----- .
- (e) Friction depends on the ----- of surfaces.

Q 2.State that following statements are true or false :-

[5]

- (a) Like charges attract each other .
- (b) Lightning conductor cannot protect a building from lightning.
- (c) Unwanted or unpleasant sound is termed as music .
- (d)The lower the frequency of vibration , the higher is the pitch .
- (e) Sound cannot travel in vacuum .

Q 3. Multiple Choice Questions -

[5]

- (a) Most liquids that conducts electricity are solutions of ; --
 - (i) acids (ii) bases (III) salts (iv) all of these
- (b) Which of the following cannot be charged easily by the friction :-
 - (i) A plastic scale (ii) A copper rod (III) A woollen cloth (iv) All of these
- (c) Distilled water is :-
 - (i) poor conductor (ii) good conductor (III) both (iv) None of these
- (d) Friction is a :-
 - (i) non- contact force (ii) contact force (III) magnetic force (iv) None of these
- (e) Sound can travel through :-
 - (i) gases only (ii) solids only (III) liquids only (iv) all of these

Q 4. Name the following :-

[5]

- (a) The scale on which destructive energy of an earthquake is measured .
- (b) One state in India where earthquakes are more likely to strike .
- (c) An instrument which can be used to detect a charged body .
- (d) The vibrating part of the musical instrument sitar .
- (e) The force applied by the archer to stretch the bow.

Q 5.Short Answer Type Questions :-

[2 x 3]

- (a) Give two examples of situations in which applied force causes a change in the shape of an object.
- (b) Define atmospheric pressure.
- (c) Explain why sportsmen use shoes with spikes.

Q 6. (a) A pendulum oscillates 40 times in 4 seconds . Find its time period and frequency .

[3]

(b) State the laws of reflections

[3]

(c) What do you mean by electroplating ? Name two objects around you that are electroplated. [3]

Q 7. Draw a labelled sketch of the human eye. Write any two ways to take care of your eyes. [5]