

ANNUAL EXAMINATION (2018-19)

Class - VIII
Subject - Science

Time - 3.00 hours

M.M. - 80

Note : Attempt all questions.

Write neatly and legibly.

Q. 1 Answer the following questions in one word or one sentence - 1X10=10

- (a) Give two examples of situations in which applied force causes a change in the shape of an object.
- (b) What is drag ?
- (c) Define time period of vibration.
- (d) What is LED ?
- (e) Define Dispersion of Light.
- (f) How many images of a candle will be formed if it is placed between two parallel mirrors separated by 40 cm.
- (g) Define light year.
- (h) What is potable water ?
- (i) Write the name of two lubricants.
- (j) Which scale is used to measure magnitude of an earthquake ?

Q. 2 Answer the following questions very briefly -

2X7=14

- (a) Explain why objects moving in fluids must have special shape ?
- (b) Write the factors on which loudness and pitch of sound depends.

- (c) Is it safe for the electrician to carry out electrical repairs outdoors during heavy downpour ? Explain.
- (d) Explain why a charged body lose its charge if we touch it with our hands.
- (e) Name the gases formed on the positive and negative electrodes of a cell, ~~when~~ electricity is passed through water.
- (f) What is Green house effect ?
- (g) The sound from a mosquito is produced when it vibrates its wings at an average rate of 500 vibrations per second. What is the time period of the vibration ?

Q. 3 Answer the following questions briefly -

3X7=21

- (a) Write the differences between contact and noncontact force.
- (b) Explain the laws of reflection with the help of diagram.
- (c) Differentiate between stars and planet. (three points)
- (d) Name the device used to protect building form the effect of lightning ? How does it works ? <https://www.cbseboardonline.com>
- (e) What is a constellation ? Draw the diagram of any one constellation.
- (f) Sketch larynx and explain its function in your own words.
- (g) Name the forces acting on a plastic bucket containing water held above ground level in your hand. Discuss why forces acting on the bucket do not bring a change in its state of motion ?

Q. 4 Write the answer in detail -

5X5=25

- (a) What are Artificial Satellites, write the name of two Indian satellites. Write the application of artificial satellites.
- (b) Explain the process of electroplating with the help of diagram.
- (c) Draw a labelled sketch of the human eye. (at least label 6 parts)

- (d) (1) Define air and water pollution. Write the name of some major air and water pollutant.
- (2) What are the ways by which we can reduce air pollution ?
- (e) What is an earthquake ? How it is caused ? Suppose you are outside your home and an earthquake strikes. What precaution would you take to protect yourself ?

Q. 5 (A) Fill up the blanks in the following questions :

1X5=5

- (1) Friction produces _____ .
- (2) Shrillness of a sound is determined by the _____ of vibrations.
- (3) The size of the pupil become _____ when you see in dim light.
- (4) The planet which appear reddish in colour _____ .
- (5) Force per unit area is called _____ .

(B) Write True and False -

1X5=5

- (1) The frequency is expressed in Hertz.
- (2) Like charges attract and unlike charges repel each other.
- (3) Night birds have more cones than rods in their eyes.
- (4) Venus is the brightest planet in the night sky.
- (5) Earthquakes can be predicted in advance.



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