

DEVAMATHA CMI PUBLIC SCHOOL
ANNUAL EXAMINATION 2017-2018
SCIENCE

Time : 3 h.
 Marks : 80

Std. VI

- I Choose the correct answer from the options given below : (1x7=7)
1. A thin coil of metal in a bulb, which glows when electricity is passed through
 [Insulator, filament, thick wire, terminal]
 2. We can see the moon because
 [absorbs light, gives out light, blocks the light, reflects light]
 3. Rain water that does not seep into the ground, but flows over the land
 [water table, ground water, surface water, potable water]
 4. By recycling paper we can save
 [water, trees, books, materials]
 5. The balance of Oxygen and Carbon Dioxide is maintained by
 [abiotic factors, both plants and animals, plants only, animals only]
 6. Movement of bones is brought about by the contraction and relaxation of
 [Vertebrae, cartilages, joints, Muscles]
 7. Rohit is running on a straight racing track of 50m. He is in
 [Periodic motion, Simple motion, Rectilinear motion, Random motion]
- II Fill in the blanks : (1x7=7)
1. The metal cap of a cell is the _____ terminal
 2. The movement of strings of a guitar shows _____ motion.
 3. The gas present in the maximum amount in the air is _____.
 4. The joint where our neck joins the head is a _____ joint.
 5. The south poles of two magnets will _____ each other.
 6. The _____ coloured dust bin is for collecting kitchen and other plant or animal wastes.
 7. Changes in our surroundings that makes us respond to them are called _____.
- III Name the following : (1x8=8)
1. A gas that supports burning -
 2. The only movable part of the skull -
 3. The worms used in vermi composting -
 4. The process by which green plants make their own food -
 5. Additional parts of the skeleton that are not as hard as the bone -
 6. A device that has chemical energy stored inside it and produces electricity -
 7. The idea behind rain water harvesting -
 8. A dark patch formed behind an opaque object which stops the path of light -
- IV Give Scientific reasons for the following statements : (2x7=14)
1. We should say 'No' to plastic
 2. We feel suffocated in a closed room in which something is burning.

3. Shadow of a bird flying high up in the sky not seen on the ground.
4. We should not use water to extinguish a fire caused by electricity.
5. During an accident of fire one is advised to wrap a wollen blanket over a burning object.
6. We can find water droplets on the underside of a plate that is put on a hot glass of milk.
7. Never join the two terminals of the electric cell without connecting them through a switch or a bulb.

V Answer the following questions in two or three sentences each. (2x7=14)

1. When is a Bulb said to be fused?
2. Differentiate between Adaptation and Acclimatisation.
3. With the help of two examples explain that a body can have more than one Type of Motion at a time.
4. Write any four properties of a magnet.
5. What is the purpose of using an electric switch?
6. What are the advantages of rain water harvesting?
7. Differentiate between Biodegradable and Non-biodegradable waste.

VI Answer the following questions briefly : (3x5=15)

1. What is Landfill? How is it helpful to get rid of garbage?
2. What are Joints? Explain any two types of Joints with example.
3. a) Differentiate between Aquatic habitat and Terrestrial habitat with example.
b) Write two adaptations of Aquatic plants.
4. What is a Pinhole Camera? Explain the principle and working of a Pinhole Camera?
5. a) Define Rectilinear Motion and Periodic Motion.
b) We Cannot use an elastic measuring tape to measure distance. Why?

VII Answer the following questions in detail : (5x3=15)

1. a) Explain various parts of an electric cell with the help of a diagram.
b)

In which circuit does electric current flows and why?

2. c) Why is human body a good conductor of electricity?
2. a) How can you make a temporary magnet?
- b) What are the conditions that lead to damage of a magnet and result in the loss of its magnetic properties?
- c) Describe one activity to show that magnetic property of magnet is more at its poles.
3. a) How is the balance of Oxygen and carbon dioxide maintained in the atmosphere?
- b) Carbon dioxide is considered as an important gas for our survival but if its level increases it is dangerous explain.
- c)

- i) Why does candle 'A' keeps burning?
- ii) Why does candle 'B' gets extinguished after some time?
