

DWARKA INTERNATIONAL SCHOOL

CLASS V (2019-20)

Science (Sample paper)

Name: _____

Class: _____

Roll No. : _____

Time: 3 Hr

M.M-80

Q1. Choose the correct option and fill in the blanks. (1x5)

(a) _____ is a lever

(i) Winding road (ii) pulley (iii) lemon squeezer (iv) door knob

(b) Neil Armstrong and Edwin Aldrin landed on the moon in the spacecraft named _____

(i) Michael Collins (ii) Apollo – 11 (iii) Eagle (iv) Vulture 2

(c) Snakes are _____ animals.

(i) Carnivorous (ii) herbivorous (iii) omnivorous (iv) scavenger

(d) The bones of the spine are called _____ .

(i) cartilage (ii) femur (iii) ribs (iv) vertebrae

(e) In eye image is formed on the _____ .

(i) iris (ii) retina (iii) pupil (iv) cornea

Q2 Give one word for the following:

(1x7)

(a) seed leaves that store food for the growing plant .

(b) Animals that have a backbone.

(c) The thinnest layer of the Earth.

(d) Strong tough tissues that attach muscles to the bones.

(e) Animals that are about to get extinct.

(f) A grooved wheel with a cable or rope around it.

(g) The nerve that connects eye to the brain.

Q3 Fill in the blanks.

(1x7)

- a. Reduce ,reuse and _____ are the three R's that we should pursue in our daily lives.
- b. The moon's gravity is _____ times less than the earth's gravity.
- c. In a light bulb ,electrical energy changes to _____ and _____ energy.
- d. Common thing between ginger and potato is that both reproduce through _____ .
- e. The first vertebra and the skull bone form a _____ joint.
- f. Our nervous system is made up of the brain, _____ and a vast network of nerves.
- g. Bats and birds are alike as both of them are _____ .

Q4. Give one example of each of the following. (1x6)

- | | |
|--------------------------|--------------------------------|
| (a) A green house gas | (b) A rabi crop |
| (c) A translucent object | (d) source of renewable energy |
| (e) muscular force | (f) screw |

Q5 Define the following term (any 5) (1x5)

- | | |
|--------------------|-----------------|
| (a) Inclined plane | (b) spiracles |
| (c) Reflex action | (d) germination |
| (e) Migration | (f) Extinct |

Q6 Give reasons for the following (any five)

(2 x 5 = 10)

- a. A seed completely immersed in water do not germinate.
- b. Polar bears are not found in India.
- c. It is advised to wear a helmet while driving a two wheeler.
- d. We see different phases of moon.
- e. We should avoid using plastic bags.
- f. Why is it important to protect the forests?

Q7. Answer the following in brief. (any 10)

(2x10 = 20)

- i) Differentiate between natural and man-made satellites.
- ii) Why is brain called the control centre of our body?
- iii) Name the two parts in sweet potato plant that can produce new plants.

- iv) How do insects breathe?
- v) What is a greenhouse?
- vi) Mention two examples showing change in energy.
- vii) Write the function of the upper most part of the brain.
- viii) Why do animals migrate?
- ix) Differentiate between voluntary muscle and ball and involuntary muscle .
- x) How o snakes move on land?
- xi) Draw the structure of seed and label its parts .
- xii) How are animals helpful in dispersal of seeds ?

Q8. Answer the following. (any 5)

(5 x 4 = 20)

- i) Observe the following levers draw them in your answer sheet and mark E-Effort, L – Load, F-Fulcrum and write the class of lever they belong to.



(a)



(b)

- ii) (a) Explain the structure of vertebral column ?
 (b) How are ball and socket joint different from hinge joint?
- iii) (a) How does global warming affect us ?
 (b) Suggest some ways by which the effects of global warming can be minimised .
- iv) Describe a solar eclipse .Draw a well labeled diagram of Solar eclipse
- v) a) What is vegetative reproduction? Explain with examples.
 b) List four ways in which seeds can be dispersed. Support your answer with examples.

vi) Differentiate between contact forces and field forces. Write their types and at least two examples of each of the forces.