

DWARKA INTERNATIONAL SCHOOL
CLASS IV (SCIENCE) 2019-20
Sample Paper

Time – 3 hours

M.M. 80

Q1) Choose the correct option :

(1x5=5)

- a) _____ is a bio-degradable waste.
(i) Left-over food (ii) Broken Glass (iii) Metal cans
(iv) A Plastic bottle
- b) The _____ is an imaginary line running from the North Pole of Earth to the South Pole.
(i) Equator (ii) Ring (iii) Orbit (iv) Axis
- c) The hotter the day, the _____ is the evaporation.
(i) lesser (ii) greater (iii) average (iv) Longer
- d) The force exerted on all objects by Earth is called _____.
(i) Frictional force (ii) muscular force (iii) gravitational force
(iv) none of these
- e) Fenugreek, Spinach & Coriander are some _____ that we eat.
(i) roots (ii) stems (iii) leaves (iv) Flowers

Q2) Fill in the blanks :

(1x7=7)

- a) The process by which a liquid changes into gas is called _____.
- b) _____ is the thick jelly-like substance surrounding the egg yolk.
- c) Mixing of harmful waste with soil causes _____.
- d) The moon is the natural _____ of Earth.
- e) The process of shedding of skin by a cockroach is called _____.
- f) _____ are the holes that allow the air to enter or leave the leaf.
- g) _____ is done when force moves an object from its place.

Q3) Answer the following in one word :

(1x7=7)

- a) The planet known as the morning star.
- b) The movement of air from land towards sea at night.
- c) Matter is composed of these tiny particles.
- d) The type of air pollution which can block sunlight and affect visibility.
- e) Time taken by Earth to complete one revolution around the sun.
- f) The amount of water vapour present in the air.
- g) The green substance that helps leaves to trap energy from sunlight.

Q4) Give one example of the following : (1x6=6)

- a) A mammal that lays eggs
- b) A planet known as "Gas Giants"
- c) Stem eaten as food
- d) One way to minimize the use of disposable items.
- e) The planet with no satellite
- f) Simple Machine

Q5) Define the following terms : (1x5=5)

- a) Rain water harvesting
- b) Rotation
- c) Decantation
- d) Metamorphosis
- e) Freezing

Q6) Give reason for the following : (2x5=10)

- a) When it is daytime in India, it is night in USA.
- b) The water droplets appear on the outer surface of glass filled with ice-cold water.
- c) The tyres of a bicycle wear out after few years.
- d) Solids have fixed shape & size
- e) A cut potato turns blue black when a few drops of iodine are put on it.

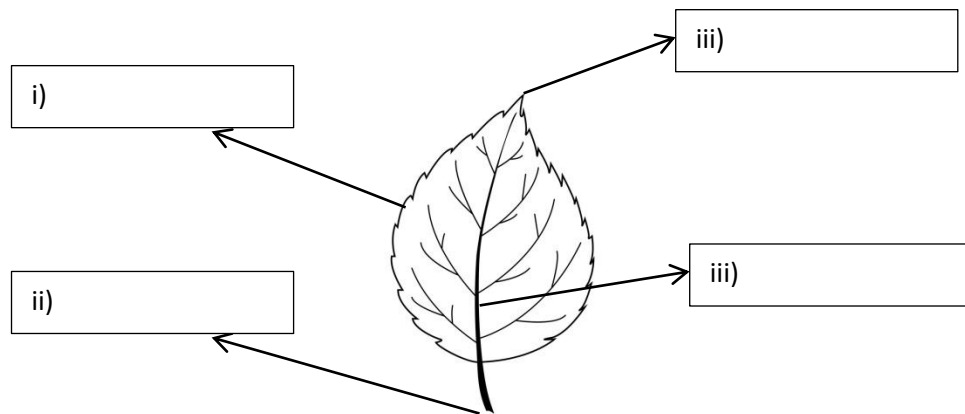
Q7) Answer the following questions in brief : (any 10) (2x10=20)

- i) List two ways to keep the air clean.
- ii) Differentiate between biodegradable and non-biodegradable waste.
- iii) Write 2 differences between inner planets & outer planets.
- iv) What would happen if water cycle get disrupted?
- v) Enlist 2 factors that affect evaporation.
- vi) What is the composition of air?
- vii) What are Fuels? Give one example each of a gaseous fuel & liquid fuel.
- viii) List 2 uses of solar energy.
- ix) Why do parent birds sit on their eggs?
- x) How is a solution formed? Give an example.
- xi) What are the things essential for plants to make food?
- xii) Mention 2 ways of recycling waste.

Q8) Answer the following questions in details : (any 5)

(4x5=20)

- 1) What are the different causes of water pollution?
- 2) Draw a labelled diagram of Earth's motion around the sun & mark the seasons.
- 3) a) How does friction occur?
b) Mention 2 uses of friction in our daily lives.
- 4) Draw and describe the life cycle of a frog.
- 5) Write 4 properties of gases.
- 6) a) Mark the following parts of a leaf



- b) Describe any two parts.
- 7) a) Explain the formation of Sea Breeze.
b) Draw a labelled diagram to show the flow of Sea Breeze.