

DWARKA INTERNATIONAL SCHOOL
SECTOR- 12, DWARKA, NEW DELHI-110075
CLASS V (SCIENCE) 2019-2020

Time- 3 hours

SAMPLE PAPER

MM: 80

Q1) Multiple choice questions:

(1X5=5)

- 1) _____ layer of soil lies above broken pieces.
(i) Bedrock (ii) Broken rock (iii) Topsoil (iv) Subsoil
- 2) Potatoes grow from
(i) Seeds (ii) Stems (iii) Leaves (iv) Roots
- 3) The mineral found in limestone is _____
(i) Quartz (ii) Mica (iii) Calcite (iv) Magnesium
- 4) Which state of matter has a fixed volume, but no fixed shape?
(i) Solid (ii) Liquid (iii) Gas (iv) None of these
- 5) Food products such as milk, beans, paneer and meat are rich sources of
(i) Proteins (ii) Carbohydrates (iii) Minerals (iv) Fats

Q2) Fill in the blanks:

(1x7=7)

- 1) Molecules in a _____ move at a great speed in all directions.
- 2) _____ rock are formed by quick cooling of magma.
- 3) Running water and wind causes _____.
- 4) Cotton seeds have _____ structure.
- 5) When magma erupts on earth surface, we call it _____.
- 6) Our body uses _____ to maintain its temperature and cushion organs.
- 7) Crops grown to cover the empty fields are called _____.

Q3) Answer the following in one word:

(1X7=7)

- 1) Topmost layer of soil
- 2) Formed when a solute dissolves in solvent
- 3) Rocks formed by cooling of lava
- 4) Nutrients that help our body to grow.
- 5) Supplying sufficient amount of water to crops regularly.
- 6) smallest particle of a substance that shows all the properties of the substance

Q4) Give one example of the following:

(1x6=6)

- 1) A disease caused by virus
- 2) Sedimentary rock
- 3) Immiscible liquid
- 4) Non-communicable disease
- 5) Rabi crop
- 6) Solvent

Q5) Define the following terms: (Any 5)

(1X5=5)

- 1) Microbes
- 2) Magma
- 3) Solute
- 4) Afforestation
- 5) Seedling
- 6) Deficiency diseases

Q6) Give reason for the following: (Any 5)

(2X5=10)

- 1) Plants produce many seeds.
- 2) Burning of paper is a chemical change.
- 3) Coal is replaced by other environment-friendly fuels.
- 4) We should eat fats in very small amounts.
- 5) Plants help to prevent soil erosion.
- 6) Athletes need more carbohydrates than a person sitting in an office.

Q7) Answer the following questions in brief: (Any 10)

(2X10=20)

- 1) What are the special features of the seeds that get dispersed by wind?
- 2) Write the benefits of atmosphere.
- 3) Is the conversion of water vapour into water a chemical change? Give reason.
- 4) Draw the external structure of seed and label its part.
- 5) Name the **rocks** formed by the following process:-
 - (a) Deposition of sediments
 - (b) Slow cooling of magma below earth's surface
- 6) How are animals helpful in the dispersal of seed?
- 7) Write the **deficiency disease** and **symptoms** of the following caused by the deficiency of following nutrients:
 - (i) Iron
 - (ii) Vitamin D

- 8) Why should we worry about soil erosion?
- 9) Differentiate between soluble and insoluble solids with examples.
- 10) What do you mean by communicable diseases? Give two examples
- 11) Write two ways to conserve natural resources.
- 12) What are the properties of air?

Q8) Answer the following questions in detail: (Any 5)

(4x5=20)

- 1) (a) How are metamorphic rocks formed?
(b) Differentiate between metallic and non-metallic minerals.

- 2) (i) Write the difference between solid, liquid and gases on the basis of following **properties**:-
 - (a) Shape
 - (b) Space between molecules(ii) Why water is called a universal solvent?

- 3) (a) Write **two** plants that are grows from
 - (i) Spores
 - (ii) Leaves(b) Write **two** plants that are dispersed by:-
 - (i) Water
 - (ii) Animals

- 4) Ram complained that he could not visualize in the evening. He was taken to the eye specialist. The doctor on testing, analysed the disease and prescribed certain medicines and recommended a diet.
 - (a) Name the disease.
 - (b) What would be the reason behind it?
 - (c) What we call this type of symptom in proper word.
 - (d) Suggest the food sources that he has to eat.

- 5) Conservation is the law of nature. Explain the methods from which we can conserve the soil.

- 6) (a) What do you mean by saturated solution?
(b) Write two point of difference between sugar in water and pebbles in water.