



DELHI PUBLIC SCHOOL FIROZABAD

Half Yearly Examination – Term 1

Subject-Science

Class-VI

M.M. 80

Duration: 3 hrs

Adm. No. _____ Name _____ Date _____

General Instructions:

1. Read the questions carefully and answer .
2. All questions are compulsory.
3. Marks for each question are written in appropriate place.

Section-A

I) Choose the correct option for the following statements -

0.5x10=5

1. Potato is a edible _____.
(a) Stem (b) root (c) leaf (d) Seed
2. Bacteria and fungi are _____.
(a) Producers (b) Herbivores (c) Decomposers (d) Carnivores
3. The fibre obtained from outer covering of the fruit of coconut is _____.
(a) Silk (b) Jute (c) Hessian (d) Coir
4. Which of the following fibre is strong, wrinkle free and dries quickly?
(a) Cotton (b) Coir (c) Nylon (d) Silk
5. Which one of these do not have magnetic property?
(a) Copper (b) Iron (c) Cobalt (d) Nickel
6. Which one of these sink in water?
(a) Paper (b) Wood (c) Nail (d) All of these
7. Elements have one type of _____.
(a) Compounds (b) Atoms (c) mixtures (d) Both (a) and (b)
8. _____ is a method of separating wheat grains from the stalk.
(a) Threshing (b) Winnowing (c) Handpicking (d) Sieving
9. Some animals like lice and leech are _____ as they live inside the body of other living organisms.
(a) Saprophytes (b) Parasites (c) Scavengers (d) producers
10. Earthworm breathe through their _____.
(a) Lungs (b) Skin (c) Gills (d) Stomata

Section-B

II) Fill in the blanks with correct word-

(8×1=8)

1. The energy required for the growth of seed into seedling is stored in _____.
2. The living organisms which derive energy from dead and decaying matter are known as _____.
3. _____ help us digest our food and prevent constipation.
4. _____ is a unit of energy.
5. The process of removing wool from sheep by using special clippers is called as _____.
6. A solid which dissolves in water is known as _____.
7. Rusting of iron is a _____ change.
8. Changes which cannot be reversed back to the initial state are called _____ changes.

III) State whether the statement is true or false-

(8×1=8)

1. Bacteria and fungi are producers.
2. Oil and sawdust sinks in water.
3. Gases dissolve in water.
4. Living things do not have a lifespan.
5. A group of cells working together to perform a function is called an organ.
6. Sieving is the method used to separate components of mixture with different sizes.
7. Atoms combine with each other to form compounds.
8. The motion of a potter's wheel is vibratory motion.

IV) Answer the following questions in one word or sentence-

(4×1=4)

1. What is winnowing?
2. Name the process by which living organism obtain energy from food.
3. A car and clouds can move, yet they are nonliving things .Why?
4. Give the SI unit of (a) length (b) Mass

Section-C

V) Answer the following questions –

(10×2=20)

1. Mahesh on his birthday visited an orphanage and arranged a meal for the children there .What value do you learn from this?
2. Ram took a portion of an egg in the test tube and added two drops of copper sulphate and ten drops of caustic soda and he observed that the colour of egg has changed to violet . What does it indicate and also write importance of that nutrient.
- 3.What are the differences between cotton and polyster fibres?
4. Differentiate between transparent and opaque materials.
5. How is the property of conduction of electric current applied in daily life? Give examples.
6. Explain the processes of evaporation and condensation.
- 7.Give reasons for the following-
 - (a) After firing the crackers during Diwali festival, can you reuse them .Why/Why not?
 - (b) On a railway track small gaps are left between the two rail ends. Why?
8. Explain the different components of a habitat.
9. Suppose you are standing still ,what is your state of motion with respect to :
 - (a) Your teacher, if she is standing next to you.
 - (b) Your friend who is going out.

10. What is periodic motion? Give two examples.

Section-D

VI) Answer the questions in detail-

(5×4=20)

- (a) Name any two edible stem and two edible roots.
(b) Deer eats grass and the lion that eat flesh of other animals. How are their teeth different from each other?
- (a) What are deficiency diseases
(b) Complete the table -

Nutrient	Deficiency disease and the symptoms
(a)	Scurvy, which makes the gums swell up and bleed
(b) Proteins	
(c)	Goitre, mental retardation, stunted growth
(d) Vitamin A	

- (a) What are fibres?
(b) Manav during his holidays went to his grandmother's house and he wanted to help her in kitchen but her grandmother denied him. She said that he was wearing nylon shirt. She gave him a cotton shirt and allowed him to work in kitchen.
 - Why did grandmother refuse Manav at first?
 - Why did she later let him work in the kitchen?
 - What do you learn from this incident?

- (a) What is matter?
(b) Complete the table-

Property	solids	liquids	Gases
Intermolecular forces	(i) _____	Lesser than solids	(ii) _____
Intermolecular space	Most tightly packed	(iii) _____	(iv) _____
Position of molecules	Fixed and cannot move	(v) _____	(vi) _____

- (a) Define motion.
(b) How is the motion of a train different from motion of spinning top?

Section-E

VII) Answer the questions in detail-

(3×5=15)

- Differentiate between living and non living things.
- (a) Explain the method of sedimentation and decantation with the help of diagrams.
(b) While preparing lemonade you need to mix sugar, water, lemon juice and ice . When will you add ice, before or after dissolving sugar.
- (a) What are chemical changes?
(b) Classify the following as chemical or physical change –
 - Melting of ice
 - Burning of incense stick
 - Formation of cloud
 - Cooking of food
 - Germination of seed
 - stretching of spring