



# DELHI PUBLIC SCHOOL FIROZABAD

Half Yearly Examination – Term 1

Subject-Science

Class-VII

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. Which of the following is an insectivorous plant?

- (a) Cuscuta                      (b) Sundew                      (c) Mistletoe                      (d) Lichen

2. A kind of association between two organisms living together and both benefitting from each other are known as \_\_\_\_\_.

- (a) Parasites                      (b) Symbionts                      (c) Saprophytes                      (d) Heterotrophs

3. The bacteria act on the leftover food and produce \_\_\_\_\_.

- (a) Base                      (b) Acid                      (c) Salt                      (d) Indicators

4. \_\_\_\_\_ have chisel like ends and are meant for cutting and biting.

- (a) Incisors                      (b) Molars                      (c) Premolar                      (d) Canines

5. The process of cutting wool off a sheep is called \_\_\_\_\_.

- (a) Sorting                      (b) Reeling                      (c) Shearing                      (d) Scouring

6. The finest and most valuable wool comes from \_\_\_\_\_ sheep.

- (a) Bakharwal                      (b) Marwari                      (c) Merino                      (d) Lohi

7. Which of the following is a mineral acid?

- (a) Oxalic acid                      (b) Citric acid                      (c) Tartaric acid                      (d) Sulphuric acid

8. Bases turn red litmus to \_\_\_\_\_.

- (a) Green                      (b) Yellow                      (c) Blue                      (d) Black

9. High speed winds are accompanied by \_\_\_\_\_.

- (a) Reduced temperature      (b) Increased temperature      (c) reduced air pressure      (d) increased air pressure

10. Storm accompanied by thunder and lightning is called \_\_\_\_\_.

- (a) Cyclone                      (b) Anticyclone                      (c) Thunderstorm                      (d) Hailstorm

**Section-B**

**II) Fill in the blanks with correct word-**

**(8×1=8)**

1. The speed indicating device in vehicles is called \_\_\_\_\_.
2. An event that occurs at regular intervals of time is called \_\_\_\_\_.
3. As elevation increases, air becomes \_\_\_\_\_ dense.
4. When an acid reacts with a metal \_\_\_\_\_ gas is released.
5. Heat is measured in \_\_\_\_\_.
6. \_\_\_\_\_ plants do not have chlorophyll in them and they suck the nutrients from their host plant.
7. Human beings have \_\_\_\_\_ molars in each jaw.
8. \_\_\_\_\_ is the raising of silkworms in order to obtain silk.

**III) State whether the statement is true or false-**

**(8×1=8)**

1. Phloem carries water from roots to food-making cells in the leaves.
2. The food particle within the body of amoeba is called the food vacuole.
3. The fibre obtained from angora goat is called cashmere wool.
4. All modes of heat transfer require a medium.
5. Salt is formed by a neutralization reaction.
6. Climate is warmer in latitudes farther north and south of the equator.
7. Cool air being lighter than warm air always rises up.
8. A cyclone is called a hurricane in the USA.

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

**(4×1=4)**

1. All plants are autotrophic in nature. Do you agree? Why/ Why not?
2. Which bacteria cause the sorter's diseases?
3. Name any two factors that affect rainfall.
4. List two situations that generate the wind currents on earth.

**Section-C**

**V) Answer the following questions –**

**(10×2=20)**

1. Draw the diagram of- (a) land breeze (b) sea breeze.
2. Draw a distance versus time graph for a body at rest.
3. A school bus takes 45 minutes to cover the distance of 27 kilometers. Calculate its speed in kilometers per hour.
4. (a) What is weathering?  
(b) What are the different factors which affect weathering?
5. Complete the table-

property	Sandy soil	Clayey soil
(i) Size and Amount of soil particles		
(ii) Water retention capacity		
(iii) Air retention capacity		

6. Write any four uses of bases.
7. 'X' is present in stomach. However the excess of it causes indigestion, which requires the milk of magnesia to reduce the effect of it in stomach.

- (a) Identify the compound 'X'.
- (b) What will be the reaction between these compounds?
- (c) What these types of reactions are called?

8. What are the precautions we should take while reading the thermometer? (any two)

9. Differentiate between conductors and insulators.

10. What happens to the food in the four chambers of stomach of ruminants?

(i) RUMEN Swallowed food enters here and is grinded.	(ii) RETICULUM- _____
(iii) Third chamber of stomach- _____ _____	(iv) _____ - here the semi liquid cud mixes with the digestive juices and is broken down into simpler form.

### Section-D

**VI) Answer the questions in detail-**

**(5×4=20)**

1.(diagram of a cyclone)

- (a) Identify the natural calamity shown in the figure.
- (b) Where and how are these formed?

2. (a) What is pendulum?

(b) Explain the motion of simple pendulum

3. (a) Differentiate between conduction and convection.

(b) Why is it advised to use an umbrella when you go out in the sun despite of no rain?

4. (a) What is sericulture?

(b) Explain the different stages of silk production.

5. (a) Explain the process of photosynthesis with the help of diagram.

(b) Manav was cutting down the trees in his farm. Richa asked the reason for cutting those trees. Manav replied that those trees were of no use as they do not give fruit. Manav told that even if some trees do not give us fruits they are very useful to us.

(i) Whom do you agree with?

(ii) Can you give reason for your answer?

### Section-E

**VII) Answer the questions in detail-**

**(3×5=15)**

1. (diagram of human digestive system)

(a) Identify the parts 'A', 'B', 'C' and 'E'.

(B) What happen to the food in these parts?

2. (a) Manav got turmeric stain on his clothes while eating and tried to wash it off with soap, the stain becomes red. What does it indicate?

(b) Differentiate between acids, bases and salts.

3. What are the adaptive features found in camel which helps it to adapt in its habitat