

BUDHA DAL PUBLIC SCHOOL PATIALA
Final Examination (16 March 2026)
CLASS - VI
PAPER- SCIENCE (SET-A)

Time: 3 hr.

M.M. 80

General Instructions:

1. All questions are compulsory.
2. Attempt all questions section wise in the serial order neatly and leave one line after every answer.
3. Draw neat and labelled diagrams wherever required.

Section - A

Q1. Answer the following in one sentence:

(10×1=10)

1. Which of the following is an example of aquatic habitat?
a) Forests b) Mountains c) Lakes d) Grasslands
2. Which of the following type of root is present in plants with parallel venation?
a) Tap b) Reticulate c) Fibrous d) Monocotyledon
3. Which of the following material is non-magnetic?
a) Iron b) Wood c) Nickel d) Cobalt
4. Which device is used by sailors/ travelers for finding direction?
a) Speedometer b) Measuring tape c) Magnetic compass d) Stopwatch
5. Which of the following will exhibit linear motion?
a) A child on a swing b) A spin ball in cricket
c) An apple falling from the tree d) Motion of pendulum
6. What kind of motion is executed by whirling stone tied to a string?
7. When does an object appear cold to us?
8. What is normal body temperature of a healthy person?
9. Define transpiration.
10. Usually moisture forms on car windows during a cold night. Name the process responsible for it.

Section - B

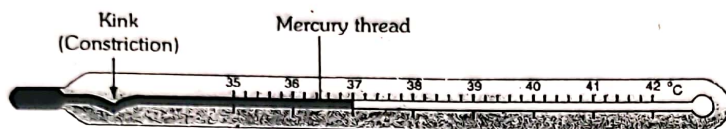
Q2. Answer in short:

(10×2=20)

1. Write any 2 adaptations in camel of hot desert that help in its survival.
2. a) Name the type of venation shown in the diagram.
b) Name a plant that shows this kind of venation.



3. Write any 2 properties of Magnetic poles.
4. Why is the compass needle enclosed in glass cover?
5. Explain when an object is said to be in motion?
6. While measuring the length of an object the readings on the scale are 4.0cm and 24.0cm. What is its length?
7. a) What kind of thermometer is shown in the diagram?
b) What is the use of kink in this thermometer?



8. Convert 293K into Celsius using the formula $C = K - 273 K$
9. Why clothes dry faster on a hot, dry summer day than on rainy day?
10. Define freezing and freezing point.

Section - C

Q3. Answer the questions:

(10×3=30)

1. Differentiate between solids and liquids by giving at least 3 points.
2. a) What is the S.I. unit of temperature?
b) What is the steam point of the Celsius scale?
c) What is the range of temperature scale in laboratory thermometer?
3. a) Why is mercury considered an ideal liquid for thermometers? (Give 2 points)
b) Which represents the greater temperature rise, 10°C or 10°F?
4. a) Can we use paper like materials for cooking utensils? Why or why not?
b) Give two example of transparent materials.
5. a) Why do the co-passengers in a train appear to be stationary, while the trees outside appear to move to a passenger sitting in the train.
b) Ridhima's house is 3kms away from her school. Express this distance in metre.
6. a) Why banana plant isn't considered a tree?
b) A plant having tap root and reticulate venation will have _____ type of **seed**.
7. a) What is self - demagnetization?
b) How can it be avoided?
8. a) Name a medical diagnostic technique which uses the magnetic field inside the body.
b) What happens when N - Pole of a magnet is brought near to the N - pole of the suspended magnet?

- c) Can the north and south pole of a magnet be separated?
9. a) Name two factors on which the rate of evaporation depends.
b) What is the continuous circulation of water in nature called?
10. a) Why does a snow leopard have thick fur on its body?
b) Mention the habitat of following organisms.
(i) A rhododendron (ii) A frog

Section - D

Q1. Fill in the blanks

(5×1=5)

1. Water evaporating from the Earth goes up and forms _____ after condensation.
2. Temperature of boiling water can be measured with _____.
3. The S.I. unit of length is _____.
4. Unlike poles _____ each other.
5. Trees on mountains have long _____ shaped leaves.

Q2. Match the following:

(5×1=5)

- | | |
|----------------|----------------------------------|
| 1) Handspan | a) Frozen droplets of water |
| 2) Lodestone | b) device to measure temperature |
| 3) Snow | c) aquatic habitat |
| 4) Thermometer | d) natural magnet |
| 5) Sea turtle | e) non-standard unit of length |

- Q3. In the following question, two statements are given - one labelled (1) Assertion (A) and other labelled Reason (R). Select correct answer to this question from codes (a), (b), (c) and (d) as given below :

Assertion (A): A magnet can attract another magnet as well as an iron strip.

Reason (R) : Repulsion is the sure test of magnetism.

- a) Both A and R are true and R is correct explanation of assertion.
- b) Both A and R are true but R is not correct explanation of assertion.
- c) A is true but R is false.
- d) A is false but R is true.

Q4. State True or false :

(4×1=4)

1. Plants with two cotyledons in their seeds are called dicotyledonous plants.
2. A room thermometer is used to measure the air temperature of a room.
3. Evaporation takes place only in sunlight.
4. Motion of a fly is an example of curvilinear motion.

Q5. Name the type of motion exhibited by the following :

(3×1=3)

- a) An ant b) Rotation of Earth on its axis c) String of a guitar

Q6. Classify the following materials as miscible or immiscible liquids:

(4×1/2=2)

Sunflower oil, Milk, Lemon juice, Petrol