

BUDHA DAL PUBLIC SCHOOL PATIALA

Final Examination (16 March 2026)

CLASS - VI

PAPER- SCIENCE (SET-B)

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 terrestrial habitat?
a) Rivers b) Oceans c) Sea d) Deserts
2. What kind of roots are present in plants with reticulate venation?
a) Parallel b) Fibrous c) Dicotyledon d) Tap
3. Which of the following is a magnetic material?
a) Wood b) Paper c) Cobalt d) Gold
4. A freely suspended magnet comes to rest in which direction
a) South – North b) North – South c) East – West d) West – East
5. Which of the following is an example of periodic motion?
a) Movement of a drill b) Motion of a football
c) Motion of blades of a fan d) Motion of the Earth around the Sun
6. What kind of motion is executed by a car moving on straight road?
7. When does an object appear hot to us?
8. What is the normal body temperature of a healthy person?
9. Define Humidity.
10. What is the process by which water changes into vapour called?

Section - B

Q2. Answer in short:

(10×2=20)

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



8-1

3. Write any 2 properties of magnetic poles.
4. Why magnets should be kept away from electronic devices?
5. Explain when an object is said to be at rest?
6. While measuring the length of an object the readings on the scale are 2.0cm and 20.0cm. What is its length?
7. a) What kind of thermometer is shown in the diagram?
b) Can this thermometer measure body temperature? Why/why not?



8. Convert 303K into Celsius using the formula $C = K - 273 K$
9. During winter why do we see more fog in closed areas where there are lot of trees?
10. Define melting and melting point.

Section - C

Q3. Answer the questions:

(10×3=30)

1. Differentiate between liquids and gases by giving at least 3 points.
2. a) What is the S.I. unit of heat?
b) What is the ice point of the Celsius scale?
c) Give the range of temperature scale in a clinical thermometer.
3. a) What will happen if coloured water is used instead of mercury in a thermometer?
b) Where is air temperature used?
4. a) "All lustrous materials aren't metals". Explain.
b) Give two examples of opaque materials.
5. a) Why is nothing at absolute rest or in absolute motion in the universe?
b) Suppose the distance between your school and home is 1.5km. Express it in metres.
6. a) Do all aquatic animals breathe oxygen dissolved in water? Explain.
b) A small plant having fibrous roots and parallel venation will have _____ type of seed.
7. a) Define demagnetisation.
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 S - pole of suspended magnet?
c) Which of the two attraction or repulsion is a sure test of magnetism?

B-2

9. a) Name two factors on which the rate of evaporation depends.
b) How do the floating droplets of water in the air appear?
10. a) Why are the animals living on mountains have thick fur on their body?
b) Mention the habitat of following organisms
(i) A snow leopard (ii) A camel

Section - D

Q1. Fill in the blanks

(5×1=5)

1. _____ is an underground source of water.
2. Temperature of boiling water can't be measured by _____.
3. The length of a curved line can be measured by _____.
4. Like poles _____ each other.
5. The fleshy stems of cactus plant found in the desert can store _____ to tolerate hot conditions.

(5×1=5)

Q2. Match the following

- | | |
|------------------------|------------------------------|
| 1) Kilometre | a) frozen droplets of water |
| 2) Bar magnet | b) measures body temperature |
| 3) Hail | c) terrestrial habitat |
| 4) Digital thermometer | d) permanent magnet |
| 5) Rhododendron | e) unit for long distance |

- 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 has two poles.

Reason (R) : An isolated pole can be obtained repeatedly by breaking a magnet.

- 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.

(4×1=4)

Q4. State True or false :

1. Plants with two cotyledons in their seeds are called as monocotyledonous plants.
2. The range of temperature that can be measured by using clinical thermometer is 35K to 43K.
3. The properties of water remain the same in all its states.
4. A reference point is required to find the position of an object.

(3×1=3)

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

- a) A butterfly
- b) Revolution of Earth around the Sun
- c) Heartbeat of a healthy person

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

(4×1/2=2)

Petroleum, Vinegar, Alcohol, Kerosene