



# ANGEL'S PUBLIC SCHOOL

## HALF YEARLY EXAMINATION

### (SAMPLE PAPER)

SESSION 2026 – 27  
SUBJECT : SCIENCE

TIME : 03 HRS

GRADE – VI

M.M:80

#### GENERAL INSTRUCTIONS:

- (a) Read all the questions carefully before answering.
- (b) The question paper consists of 5 sections: A, B, C, D and E, every section marking scheme is written in front of the section.
- (c) Do any 10 questions from the Short Answer type Questions and any 3 questions from the Long Answer Questions.
- (d) Draw neat and properly labelled diagrams wherever required.
- (e) Write your answers neatly and maintain proper question numbering throughout the answer sheet.

#### SECTION – A

[20]

#### A. Multiple choice questions:

(10x1=10)

1. The magnetic strength of a bar magnet is maximum at its:  
(a) Centre                      (b) Ends                      (c) Middle side                      (d) Surface
2. Distance travelled is measured in:  
(a) Kilogram                      (b) Litre                      (c) Metre                      (d) Celsius
3. Which material is translucent?  
(a) Clear glass                      (b) Butter paper                      (c) Brick wall                      (d) Metal sheet
4. The bulb of a thermometer contains:  
(a) Air                      (b) Water                      (c) Mercury/coloured liquid                      (d) Sand
5. A swing moving to and fro shows:  
(a) Circular motion                      (b) Random motion                      (c) Periodic motion                      (d) Rotational motion
6. Which of these is non-magnetic?  
(a) Steel                      (b) Iron                      (c) Copper                      (d) Nickel
7. The movement of Earth around the Sun is:  
(a) Circular motion                      (b) Periodic motion                      (c) Rectilinear motion                      (d) Random motion
8. Which material is generally used for window panes?  
(a) Glass                      (b) Stone                      (c) Cardboard                      (d) Wood

**9. Assertion (A):** Temperature tells how hot or cold a body is.

**Reason (R):** Temperature is measured using a thermometer.

- (a) Both A and R are true and R explains A
- (b) Both A and R are true but R does not explain A
- (c) A is true, R is false
- (d) A is false, R is true

**10.** The SI unit of temperature is:

- (a) Kelvin
- (b) Metre
- (c) Gram
- (d) Second

**B. Give one word answer for the following questions:**

(10x1=10)

1. What is the attraction between unlike poles called?
2. What is the SI unit of temperature?
3. What type of Motion does a wheel exhibit?
4. Which type of Material allows most of the light to pass through it?
5. Which Instrument is used in laboratories to measure temperature?
6. What is the opposite pole of North Pole?
7. Name a unit of length smaller than metre.
8. Which material is commonly used in making magnets?
9. Which scale is used in a clinical thermometer?
10. What is the property of an object that sinks in water called?

**SECTION – B**

**[30]**

**C. Short answer type questions (Do any 10)**

(10x3=30)

1. How can you identify magnetic materials?
2. Explain magnetic poles.
3. Define measurement and state its importance.
4. Write three examples of rectilinear motion.
5. Differentiate between distance and displacement.
6. Explain why glass is preferred for windows.
7. Define solubility.
8. Why should a thermometer be read at eye level?
9. State three differences between hot and cold objects.
10. What is rotational motion? Give examples.
11. Explain the concept of floating and sinking.
12. Describe any three properties of materials.

**SECTION – C**

**D. Long answer type questions. (Do any 3)**

(3x5=15)

1. Explain how magnets are used in daily life.
2. Describe various measuring instruments used for length measurement.
3. Explain the classification of materials on the basis of appearance and hardness.

4. Discuss the importance of temperature measurement in daily life.
5. Explain different methods used to measure curved lengths.

### **SECTION – D**

#### **E. Case –based questions:**

Aman measured the length of his classroom using a measuring tape. Later, he observed a toy car moving on the floor and checked the temperature of water using a laboratory thermometer. He also noticed that the glass beaker was transparent.

Answer the following:

- (a) Which instrument was used to measure the length of the length of the classroom?
- (b) What type of motion was shown by the toy car?
- (c) Which thermometer was used to measure the temperature of water?
- (d) Why is glass called transparent?
- (e) Name the SI unit of length.

### **SECTION – E**

**[10]**

#### **F. Diagrams.**

**(2x5=10)**

- (a)
- (b)