



# BURARI PUBLIC SCHOOL

a venture with **UNIQUE**

PT- IV ASSIGNMENT (2024-25)

CLASS: VI

SUBJECT- SCIENCE Date / /

Time: 1 Hr.

M.M. 20

Name: ..... Roll No..... T. sign.....

## Instructions:

- This paper consists of 4 sections A, B, C & D.
- All questions are compulsory.

## SECTION-A

1) Choose the most appropriate answer :-

4x1/2=2

1. A modern means of transport:

- (a) Trains (b) Ships (c) Supersonic Aeroplanes (d) Steam engines

2. An example of non-periodic motion:

- (a) Moving pendulum  
(b) Birds flying in the sky  
(c) Changing of day and night  
(d) Change of seasons

3. Which of the following is a standard unit of measurement?

- (a) Footsteps (b) Handspan (c) Meter (d) Cubit

4. Which of these is used to measure long distances?

- (a) Scale (b) Measuring tape  
(c) Meter Rod (d) Kilometer

2) Give answer in one word for the following questions: (Do any 2)

4x1/2=2

- a. Name a modern means of transport.  
b. In which circuit does electric current flow?  
c. Give an example of rectilinear motion.

## SECTION-B

3) Answer the following in brief: (Do any 2)

2x2=4

- a. What is an electric switch?  
b. When is a body said to be at rest?  
c. Why are handspan and arm length not used as standard units of measurement?

**4) Case study:**

**3x1=3**

A bus travels 20 km from Town A to Town B in 30 minutes. On its way, it stops at three places for 5 minutes each. After reaching town B, it continues for another 10 km to Town C without stopping, which takes 20 minutes.

**A. What type of motion is the bus showing during its journey?**

- a) Rectilinear Motion    b) Rotational Motion    c) Circular Motion

**B. The total time taken by the bus, including the stops is?**

- a) 50 minutes    b) 60 minutes    c) 65 minutes

**C. The bus's journey involves both motion and rest, as it stops at certain places along the way. (True/False)**

**SECTION-C**

**5) Distinguish between: (Do any 1)**

**1x2=2**

- a. Rectilinear Motion and Random Motion  
b. Conductors and Insulators

**6) Assertion-Reason based questions:**

**2x1=2**

The question consists of two statements as Assertion (**A**) and Reason (**R**). While answering the question, you are required to choose any one of the four choices:

- i. Both A and R are correct and R is the **correct** explanation of A.  
ii. Both A and R are correct and R is the **incorrect** explanation of A.  
iii. A is **correct** but R is **incorrect**.  
iv. Both A and R are **incorrect**.

**1. Assertion (A):** The ancient ways of measurement were not accurate and cannot be used as standard.  
**Reason (R):** For the sake of accuracy and uniformity, standard units of measurement were developed.

**2. Assertion (A):** Materials that allow electricity to pass through them are called conductors.  
**Reason (R):** Graphite is a good conductor of electricity.

**SECTION-D**

**7) Answer the following in detail: (Do any 2)**

**2x1.5=3**

- a. What safety measures should you follow while handling electric appliances?  
b. Explain what do you understand by parallax error?

**8) Explain the parts of an electric bulb with the help of a labelled diagram.**

**2x1=2**