



BURARI PUBLIC SCHOOL

a venture with **UNIQUE**

PT- III ASSIGNMENT (2024-25)

CLASS: VII

SUBJECT- SCIENCE

Date / /

Time: 1 Hr.

M.M. 20

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

Instructions:

- All questions are compulsory.
- Internal choices have been provided.

1) Choose the most appropriate answer:-

4x1/2=2

1. The plasma of the blood contains:

- (a) Water (b) Lipids (c) Proteins (d) All of them

2. Which of the following is not a part of the human excretory system?

- (a) Ureters
(b) Kidneys
(c) Heart
(d) Urinary bladder

3. The length of a shadow is shortest at:

- (a) 8:00 a.m. (b) 10:00 a.m. (c) 12:00 noon (d) 2:00 p.m.

4. Which of the following measure time most accurately?

- (a) Sand clock (b) Pendulum clock
(c) Sundial (d) Quartz watch

2) Give answer in one word for the following:

4x1/2=2

- a. Blood vessels that carry oxygenated blood away from the heart.
b. The vascular tissue that transports food in plants.
c. SI unit of speed.
d. Device used to measure distance in a car.

3) Answer the following in brief: (Do any 4)

4x1=4

- a. How does sweating help us?
b. Define pulse. How is it generated?
c. What are the constituents of urine?
d. What does a distance-time graph indicate?
e. Explain the term “oscillation” with the help of a diagram.

4) Case study:

3x1=3

Blood is a red-coloured fluid which flows in the blood vessels. It transports digestive food to all parts of the body, it transports waste for removal from the body and it carries oxygen from the lungs to the cells of the body. The fluid part of the blood is called plasma, in which the different types of cells are suspended. One type of

cell is RBC which contains the red pigment called haemoglobin. Haemoglobin binds with oxygen and transports it to all part of the body. The presence of haemoglobin makes the blood appear red.

A) Blood helps to transport

- a) Digested food b) Oxygen c) Both of these

B) What are the components of the blood?

C) The pulmonary vein carries the oxygenated blood from the lungs to the heart. (True/False)

5) Distinguish between: (Do any 2)

2x1=2

- a. Xylem and Phloem
b. Red blood cells and White blood cells
c. Uniform and Non-uniform motion

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 heart pumps blood in the body.

Reason (R): The pulmonary vein carries oxygenated blood.

2. Assertion (A): People in ancient times used digital clocks to calculate time.

Reason (R): Digital clocks measure time less accurately.

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

2x1.5=3

- a. Define transpiration. List its advantages.
b. A simple pendulum takes 54 s to complete 12 oscillations. Calculate the time period of the pendulum.
c. A girl cycles from her house to school at a speed of 16 km/h and reaches there in 20 minutes. Find the distance of the school from the house.

8) Give reason/answer for the following:

2x1=2

- a) Why is it necessary to excrete waste products from the body?
b) What points should we keep in mind while plotting a graph?