

DELHI PUBLIC SCHOOL
VASANT KUNJ
CLASS – VIII
SCIENCE
MONDAY TEST – 21.10.2024
SET – B

M.M.: 30

PHYSICS (10 MARKS)

- Q1. Why cannot we see an object placed behind a wooden screen? *why it opaque* (1)
- Q2. The image formed by a plane mirror is
(a) bigger than the object in size.
(b) smaller than the object in size.
(c) of the same size as the object
(d) can be of different size depending upon the distance of object from the mirror. (1)
- Q3. Give four characteristics of the image formed by a plane mirror. (2)
- Q4. Draw and state two points of differences between regular and diffused reflection of light? (3)
- Q5. State the laws of reflection. The angle between the incident ray and the reflected ray falling on a plane mirror is 90° . Calculate the angle of reflection. *45* (3)

CHEMISTRY (10 MARKS)

- Q1. What acts as fuel for the human body? Give the reason. *Food* (1)
- Q2. Select the correct option. (1)
Assertion(A): Petrol is the least polluting fuel in vehicles.
Reason(R): Burning fuels produces harmful gases in the atmosphere which causes air pollution.
(a) Assertion and reason both are true; Reason is the correct explanation for assertion.
(b) Assertion and reason both are true; Reason is not the correct explanation of assertion.
(c) Assertion is true but Reason is false.
(d) Assertion is false but Reason is true.
- Q3. Name the most common fuel used in homes. *Kerosene* (1)
- Q4. (a) What is the difference between burning of candle and burning of coal? (1)
(b) Write the physical state of the following fuels: (1)
CNG and wood
G ⊕ S ⊕
- Q5. (a) What does coal produce on burning? (1)
(b) Define the term 'Combustion'. (1)
- Q6. (a) Explain any two important requirements for the process of combustion. (2)
(b) Give two examples of non-combustible substances. (1)

BIOLOGY (10 MARKS)

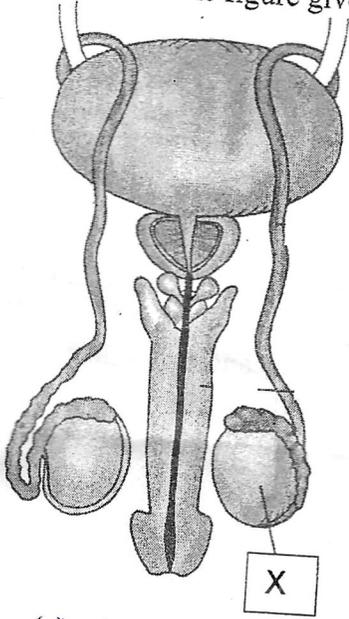
Q1. This question consists of two statements- Assertion (A) and Reason (R). Answer the question selecting the appropriate option from the following:

- (a) Both A and R are true and R is the correct explanation for A
- (b) Both A and R are true and R is not the correct explanation for A
- (c) A is true but R is false
- (d) A is false but R is true

Assertion (A)- The babies born through IVF technique are called test tube babies.
Reason (R)- In IVF, babies grow in test tubes.

(1)

Q2. Observe the figure given below and answer the questions that follow:



(a) Identify the given diagram in human and mention the gender of the human it is found in.

(b) Identify 'X' and mention its function.

(3)

Q3. Draw a neat diagram of a human sperm and label any three parts.

(3)

Q4. Write the function of the following:

(a) Ovary.

(b) Uterus.

(c) Fallopian tubes.

(3)