



D.A.V. PUBLIC SCHOOL, CRRC, Medical Road, Gaya
Sunday Test (Date –21/7/2024)

Class – X
Sub. – Science

Time : 40 Min
F.M. - 20

Section - A ($2 \times 5 = 10$ Marks)

- Q 1. Write an example of balanced chemical reaction:-
a) When acid reacts with metal.
b) When base reacts with non metallic oxide.
- Q 2. A product is formed in our muscles due to break down of glucose When there is lack of oxygen. Name the product and also mention the effect of build up of this product.
- Q 3. Differentiate between Aerobic and anaerobic respiration.
- Q 4. How is oxygen and carbon dioxide transported in human beings?
- Q 5. Draw ray diagram for convex lens when object is placed at $2F$.

Section - B ($5 \times 2 = 10$ Marks)

- Q 1.(i) A convex lens forms a real and inverted image of a needle at a distance of 50 cm from it .Where is the needle placed in front of the convex lens if the image is equal to the size of the object? Also find the power of the lens .
- (ii) Light enters from air to glass having refractive index 1.50 .What is the speed of light in the glass.
- Q 2.(i) Give two points of difference between oxidation and reduction.
- (ii) Give two uses of oxidation in day to day life.

(iii) Identify the substance oxidised, reduced, oxidizing agent and reducing agent in the give reaction.


