CLASS- X   **M.Marka-25**
SUBJECT – SCIENCE

SECTION - A

1. Carbohydrates in the plants are stored in the form of   1
a) Glycogen   b) Starch   c) Glucose   d) Maltose

2. Main site of photosynthesis   1
a) Leaf   b) Stem   c) Chloroplast   d) Guard cells

3. The small pores present of leaf's surface are called   1
a) Stomata   b) Chlorophyll   c) Guard cells   d) None of these

4. Image formed by plane mirror is;   1
(a) real
(b) virtual
(c) real and inverted
(d) virtual and erect.

5. Velocity of light in air/vacuum is _____.   1
(a) $3 \times 10^7 ms^{-1}$
(b) $3 \times 10^6 ms^{-1}$
(c) $3 \times 10^{-8} ms^{-1}$
(d) $3 \times 10^8 ms^{-1}$

6. One of the following processes does not involve a chemical reaction, that is: 1
(a) Melting of candle wax when heated
(b) Burning of candle wax when heated
(c) Digestion of food in your stomach
(d) Ripening of banana

7. What type of chemical reactions take place when electricity is passed through water?   1
(a) Displacement
(b) Combination
(c) Decomposition
(d) Double displacement

8. Assertion (A): Stomata are absent in submerged hydrophytes.   1
   Reason (R): Respiration occurs by means of air chambers in submerged plants

9. Assertion (A): In irregular reflection, refracted rays are parallel   1
   Reason (R): Irregular reflection is due to rough reflecting surfaces.

10. Assertion (A): Decomposition of vegetable matter into compost is an example of exothermic reactions.   1
Reason (R): Exothermic reaction are those reactions in which heat is evolved.

SECTION-B

11. How does light affect photosynthesis?   2

12. Why we prefer convex mirrors as rear view mirrors?   2

13. Why photosynthesis is considered an endothermic reaction? Explain.   2
OR
Why do we store silver chloride in dark coloured bottles?

SECTION-C

14. Why is photosynthesis important in nature?   3
OR
Give three points of difference between living and non-living things.

15. Give difference between concave and convex mirrors.   3

16. A white salt on heating decomposes to give brown fumes and a residue is left behind.   3
    (i) Name the salt and the residue formed.
    (ii) Write the balanced chemical equation for the decomposition reaction involved.