

Note :- This worksheet is to be done in a separate notebook.

Q1. Write short notes on the following.

1. Rumination
- 2) Dispersion of light
- 3) Indicators
- 4) Acids
- 5) Capillaries
- 6) Heating element
- 7) Capillaries
- 8) Radiation
- 9) liver
- 10) Land breeze

Q2. Write the differences between the following.

- 1) Concave mirror and convex mirror
- 2) Inhalation and exhalation
- 3) Arteries and veins
- 4) RBC and WBC
- 5) Virtual image and real image

Q3. Answer the following short questions.

- 1) How does forest prevent flood?
- 2) Explain the position of ribs and diaphragm during inhalation and exhalation.
- 3) Which mirror is used as side mirror in automobiles and why?
- 4) What is the normal temperature of human body?
- 5) Draw a labelled diagram of Amoeba.
- 6) What is reflection of light? Write about incident ray and reflected ray.
- 7) Name different parts involved in excretory system of human.
- 8) How does respiration take place in muscle cells? Give the equation for the same.
- 9) Explain the process of rusting. Write the equation also.
- 10) What is a heating element? Give examples of electric appliances.

Q4. Answer the following long questions.

1. What is pollination? Write about two types of pollination.
2. What is vegetative propagation? Give two examples. Why it is considered as a good method?
3. Explain asexual reproduction in plants and give two examples.
4. Explain how asexual reproduction budding takes place in yeast.
5. Explain how algae reproduce.
6. Explain spore formation in fungus.
7. What is fertilization? Explain it. Draw diagram.
8. Why is an electric fuse called a safety device?
9. Explain how seed dispersal is done in different ways and give example and draw diagrams.
10. Write the characteristics of the image formed by a plane mirror.
11. Graphically show the distance-time graph for the following situations and explain it
 - a) A car moving with a constant speed.
 - b) A car parked on a side road.
 - (c) A car moving with a non-uniform speed.
12. Write the characteristics of convex and concave lens and write what type of image is formed by them.
13. Explain the living and non-living components of a forest.
14. Write an activity to show that white light is made up of seven colours.
15. Write an activity to make an electromagnet. Draw diagram

