

ST. THOMAS, SAHIBABAD

CLASS X

SCIENCE- PT-1 (WORKSHEET) (2024-25)

- Q.1 Why do fishes die when taken out of water? (1)
- Q.2 What happens chemically when quick lime is added to water? (1)
- Q.3 Why is small intestine in herbivores longer than in carnivores? (1)
- Q.4 A shiny brown coloured element ' X ' on heating in air becomes black in colour. Name the element ' X ' and the black coloured compound formed. (2)
- Q.5 Calculate the refractive index of the medium if the speed of light in that medium is given as 2.76×10^8 m/s. (2)
- Q.6 The linear magnification produced by a spherical mirror is +3. Analyse this value and state the (i) type of mirror and (ii) position of the object with respect to the pole of the mirror. Draw ray diagram to justify your answer. (2)
- Q.7 List four functions of heart. (2)
- Q.8 Draw the heart and label any four parts. (3)
- Q.9 Mention with reason the colour changes observe when:
(i) silver chloride is exposed to sunlight.
(ii) copper powder is strongly heated in the presence of oxygen.
(iii) a piece of zinc is dropped in copper sulphate solution (3)
- Q.10 An object placed on a meter scale at 8 cm mark was focused on a white screen placed at 92 cm mark, using a converging lens placed on this scale at 50 cm mark. Find the focal length of the converging lens. (3)