

MODERN PUBLIC SCHOOL SCETOR- 37 FARIDABAD

CLASS- IX SESSION-2023-24

HOLIDAY HOME WORK

SUBJECT- SCIENCE

- Q1. Classify and explain the following processes as osmosis or diffusion.
- a- Aquatic animals using oxygen dissolved in water during respiration.
 - b- Swelling up of raisins on keeping in water.
 - c- Spreading of virus on sneezing.
- Q2. If we sprinkle salt on cucumber slices after sometimes it releases water. What Mechanism is responsible for this? Explain.
- Q3. A train covers half of its journey with a speed of 30 ms^{-1} and other half with a speed of 40 ms^{-1} . Calculate the speed of the train during the whole journey.
- Q4. A car accelerates uniformly from 18 km h^{-1} to 36 km h^{-1} in 5s. Calculate.
- a- The acceleration and
 - b- The distance covered by the car in that time.
- Q5. Draw distance time graph of an object moving with uniform speed. Use the graph to determine the speed of the object.
- Q6. Why do we feel comfortable under a fan when we are perspiring?
- Q7. Describe the continuous motion of particles of matter with the help of an activity.
- Q8. Art Integrated Project: -
Study of visual resources of Manipur and describing the natural resources available in Manipur and their importance including the sketching of natural resources.