

**DELHI PUBLIC SCHOOL, JAMMU**  
**SESSION (2019-20)**  
**ASSIGNMENT -II**

**Subject: Physics**

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**Topic : Motion**

- 1) Derive equations of motion by graphical methods.
- 2) Explain the concept of motion and rest.
- 3) Differentiate between uniform and non uniform motion.
- 4) An object travels 32 m in 8 sec and then another 32 m in 4 sec. What is the average speed of the object?
- 5) Define velocity and acceleration.
- 6) Explain velocity time graph of an object in non uniform accelerated motion.
- 7) Explain the concept of uniform circular motion.

**Subject: Chemistry**

**Topic : Matter in our Surroundings**

- 1) Why do we see water droplets collected on the outer surface of a glass container, containing ice?
- 2) Name the factors that affect evaporation.
- 3) On a hot sunny day, why do people sprinkle water on the roof or open ground?
- 4) Why do people perspire a lot on a hot humid day?
- 5) Explain giving examples the various factors on which rate of evaporation depend.
- 6) What do you mean by condensation? Give examples.
- 7) What happens when we pour acetone on our hand?
- 8) Differentiate between evaporation and boiling.

**Subject : Biology**

**Topic : Plant Tissues**

- 1) Write the location and functions of meristematic tissues.
- 2) List the functions of parenchyma cells.
- 3) How does phloem conduct food in the plants?

- 4) What is cell differentiation? How does it help in the formation of tissues?
- 5) What is role of suberin in bark cells?
- 6) How does epidermis get replaced by bark?
- 7) Why are corners of collenchyma thick?
- 8) Write the parts of plant where sclerenchyma is present.
- 9) Categorise plant tissue in the form of a flow chart.
- 10) List the various elements of Xylem. Write their structure and function.