



| Q.No.                                     | Questions   | Mark  |
|---|---|---|
| <b>GRADE: IX</b><br><b>Date: 26/07/24</b> |   | <b>Marks: 20</b><br><b>Time: 50</b><br><b>minutes</b> |
| <b>MT1 (2024-25)</b><br><b>SCIENCE</b>    |   |   |
| Q.No.                                     | Questions   | Mark  |
| <b>I</b>                                  | <b>Choose the correct answer</b>  |   |
| 1   | SI unit of acceleration is<br>(a) m/s<br>(b) m<br>(c) ms <sup>2</sup><br>(d) m/s <sup>2</sup>   | 1   |
| 2   | Convert the following temperature (in Celsius scale) into Kelvin scale: <b>529°C</b><br><br>a) 802° C<br>b) 256 K<br>c) 256° C<br>d) 802 K  | 1   |
| 3   | Solid air fresheners spread a good smell in rooms and cars. Give the name of the process happening here.<br>a) Evaporation<br>b) Deposition<br>c) Sublimation<br>d) Fusion                    | 1   |
| 4   | The moon revolves around the Earth in a circular orbit, with uniform speed, this motion is<br>(a) Uniform<br>(b) Non-uniform<br>(c) Accelerated<br>(d) De-accelerated                         | 1   |
| 5   | <i>Directions:</i> In the following questions, a statement of assertion (A) is followed by a statement of reason (R).<br><br><b>(a)</b> Both assertion (A) and reason (R) are true and reason | 1   |

|            |  |   |
|------------|--|---|
|            | <p>(R) is the correct explanation of assertion (A).</p> <p><b>(b)</b> Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).</p> <p><b>(c)</b> Assertion (A) is true but reason (R) is false.</p> <p><b>(d)</b> Assertion (A) is false but reason (R) is true.</p> <p>Assertion: Leucoplasts perform photosynthesis.<br/>Reason: Chloroplasts store fats, starch and proteins.</p> |   |
| <b>II</b>  | <b>Answer The Following</b>  |   |
| 1          | For any substance, why does the temperature remain constant during the change of state?  | 2 |
| 2          | Distinguish between distance and displacement.   | 2 |
| 3          | What would happen to the life of a cell if there was no Golgi apparatus?   | 2 |
| <b>III</b> | <b>Short Answer Questions</b>  |   |
| 1          | An Athlete moves along the boundary of a square field of side 10 m in 40 s. what will be the magnitude of displacement of the Athlete at the end of 2 minutes 20 seconds from his initial position?  | 3 |
| 2          | <p>"Diffusion is the movement of molecules from a region of higher concentration to a region of lower concentration down the concentration gradient."</p> <p>a) Why is diffusion in solids slower compared to liquids and gases?</p> <p>b) Give one example of diffusion from daily life.</p> <p>c) What is a deposition?</p>  | 3 |
| 3          | <p>a. Which organelle is known as the powerhouse of the cell? Why?</p> <p>b. ATP is often referred to as the 'energy currency of the cell' WHY?</p>  | 3 |