**INDIAN SCHOOL AL WADI AL KABIR**

**FINAL EXAMINATION(2025-26 )**

**CLASS: VI** **Sub: SCIENCE** **MAX.MARKS: 80**

**DATE: 15/03/2026** **Set -II** **TIME: 2 ½ HOUR**

**MARKING SCHEME**

**SECTION A (1X20=20)**

<table>
<tr><td>1</td><td>c)Typically, a small plant with soft and green stems – Herb – tomato</td><td>1</td></tr>
<tr><td>2</td><td>d) Body parts used for movement</td><td>1</td></tr>
<tr><td>3</td><td>a) By having thick and fleshy stems that store water</td><td>1</td></tr>
<tr><td>4</td><td>d)Both A and B</td><td>1</td></tr>
<tr><td>5</td><td>d) All options are correct</td><td>1</td></tr>
<tr><td>6</td><td>c) Cream from milk</td><td>1</td></tr>
<tr><td>7</td><td>a) Sorting</td><td>1</td></tr>
<tr><td>8</td><td>b) Grains from stalks</td><td>1</td></tr>
<tr><td>9</td><td>b) Two</td><td>1</td></tr>
<tr><td>10</td><td>c) Q</td><td>1</td></tr>
<tr><td>11</td><td>b) Q and R</td><td>1</td></tr>
<tr><td>12</td><td>a) Earth</td><td>1</td></tr>
<tr><td>13</td><td>d) Mars and Jupiter.</td><td>1</td></tr>
<tr><td>14</td><td>b) Shoots respond to light; roots respond to gravity.</td><td>1</td></tr>
<tr><td>15</td><td>c) Spawn</td><td>1</td></tr>
<tr><td>16</td><td>c) Both number and unit</td><td>1</td></tr>
<tr><td>17</td><td>(i) Both A and R are true, and R is the correct explanation of the assertion.</td><td>1</td></tr>
<tr><td>18</td><td>(iv) A is false, but R is true.</td><td>1</td></tr>
<tr><td>19</td><td>(iii) A is true, but R is false.</td><td>1</td></tr>
<tr><td>20</td><td>(iii) A is true, but R is false.</td><td>1</td></tr>
<tr><td></td><td>SECTION B (2X6=12)</td><td></td></tr>
<tr><td>21</td><td>a) Both are goats and belong to the same family.<br>Herbivore diet: Both are herbivores. That is, they eat plants, including roots, stems, leaves, etc.<br>b)<br><table><tr><td>MOUNTAIN GOAT</td><td>GOAT IN PLAINS</td></tr><tr><td>Has thick, long fur to protect against cold mountain temperatures.</td><td>Has shorter fur suited for a warmer climate.</td></tr><tr><td>Specialised hooves with a rough texture for better grip on rocky surfaces.</td><td>Hooves are more suited for walking on flat, grassy lands.</td></tr></table></td><td>1<br>(Any one)</td></tr>
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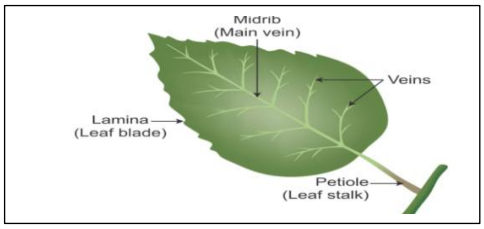
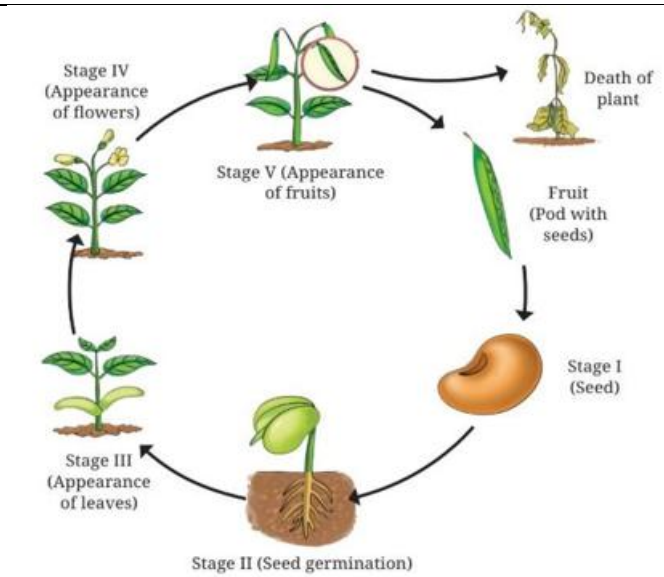
| | Generally stockier and more muscular, adapted for climbing rocky terrains. | A leaner build is suitable for flat, open areas. |
| | | Any one<br>½ + ½ |
| 22 |  | 1 -drawing<br><br>1-labelling |
| 23 | a) Number of divisions = 50,<br>Temperature range = 0 ℃ to 100 ℃<br>**Measurement of each division = 100/50**<br>**= 2 ℃**<br><br>b) Temperature in Kelvin scale = Temperature in Celsius scale + 273.15<br>= **60 + 273.15**<br>= **333.15** K. | ½ + ½<br><br>½ + ½ |
| 24 | Natural magnets are those that occur in nature and have the property of attracting iron, cobalt, and nickel. Example: Magnetite<br><br>Magnets made by humans using magnetic substances are called artificial magnets. They are made in different shapes. Examples: Bar magnets, U-shaped magnets, and ring magnets. | ½ + ½<br><br>½ + ½ |
| 25 |  | 1+1(draw and any two labelling ) |

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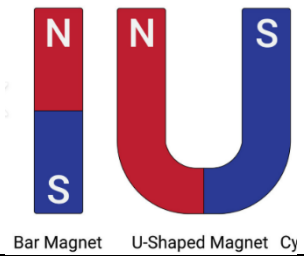
| 26 | a) Sania should use the cotton thread. Reason:<br><br>• Cotton thread does not stretch easily, so it will give an accurate measurement of the tree's circumference.<br>• Wool thread is stretchable, so using it may give a longer or incorrect measurement. | 1<br><br>1<br>(Any one) |
| | **SECTION C(3X7=21)** | |
| 27 | a) Plants with parallel venation have **one cotyledon** in their seeds, while plants with reticulated venation have **two cotyledons**.<br><br>b**)** The damage to the habitats of plants and animals results in loss of their homes, food, and other resources. This leads to biodiversity loss.<br><br>c) Rhododendrons are short and have small leaves to survive through the heavy winds on mountain tops. | ½ +½<br><br>1<br><br>1 |
| 28 | a) Washing the tip of the thermometer before and after use helps prevent the spread of germs and ensures accurate readings. It is essential for maintaining hygiene, especially when measuring the temperature of different individuals**.**<br><br>b) The temperature of the human body does not go below 35 ˚C or above 42 ˚C.<br><br>c) Student 2 | 1<br><br>1<br><br>1 |
| 29 | a) To remove harmful substances – e.g., removing stones from pulses.<br>To get useful components – e.g., extracting salt from seawater.<br>To improve quality – e.g., removing husk from grains for better cooking.<br><br>b) This method of separating heavier and lighter components of a mixture by wind or by blowing air is called winnowing. | Any two<br>½ + ½+<br>½ + ½=2<br><br>1 |
| 30 | a) The blade of a pencil sharpener is made of iron, which is a magnetic material. Due to this, a pencil sharpener gets attracted towards the poles of a magnet.<br>b)<br>  <br><br>Bar Magnet U-Shaped Magnet Cy | 1<br><br>1+1 |
| 31 | a) The presence of excessive artificial light at night is referred to as light pollution. | 1 |

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| | b) Mars is known as the Red Planet because the soil on Mars appears to be red in colour due to the presence of iron oxide or rust particles in it.<br>c) During the day, we do not see the stars because of the sun's bright light. During the day, the sun shines with such intensity that the light from the sun overwhelms the light from the stars. | 1<br>1 |
| 32 | a) White patches are formed due to sweat. The sweat consists of water and salts removed by the body as waste products.<br>b) Kerosene oil forms a layer over the water surface. This layer separates water from air and does not allow larvae and pupae to inhale air. As a result, they die.<br>c) It is necessary for the continuity of life. | 1<br>1<br>1 |
| 33 | a) i) Avoid taking measurements from the zero mark.<br>ii) Use any other full mark of the scale.<br>iii) Subtract the reading of this mark from the reading at the other end.<br>b) 75×1000=75,000 m | 2<br>1 |
| | **SECTION D(5X3=15)** | |
| 34 | a) Room thermometer<br>b) Measuring air temperature is crucial for understanding and responding to a wide range of environmental and practical concerns, from weather forecasting and climate change to agriculture and human health. It provides essential data for predicting weather patterns, assessing climate change trends, optimising agricultural practices, and ensuring safe living and working conditions**.**<br>c) The Doctor used the Fahrenheit scale of temperature. The symbol for the Celsius scale is ˚F.<br>d) A digital thermometer uses heat sensors to provide a digital readout, eliminating the risk of mercury exposure and providing a precise, easy-to-read measurement. It is less prone to reading errors like mercury thermometers. | 1<br>2<br>½ +½<br>1 |
| 35 | a) When a magnet is brought near a compass, the magnet will attract or repel the magnetic needle of the compass, due to which the compass needle will be disturbed from its usual north-south direction. The compass needle will point in another direction.<br>b) Electrical appliances such as televisions, mobiles, CDs, and computers have magnetic storage devices inside them. When we bring external magnets near these appliances, the external magnets will interfere with the magnetic components of the appliances and may damage them.<br>c) A-When freely suspended, a magnet aligns itself with the north-south direction<br>B-Like poles repel. | 2<br>2<br>1 |

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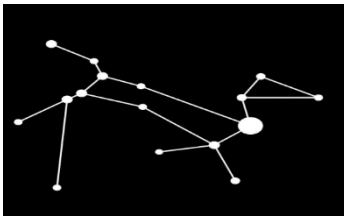
<tr><td></td><td></td><td></td></tr>
<tr><td>36</td><td>a)<br>  <br><br>b)<br><table><tr><th>STARS</th><th>PLANETS</th></tr><tr><td>Made up of light gases light gases</td><td>Made up of rocks and minerals</td></tr><tr><td>The temperature is very high</td><td>Temperature depends on their distance from the sun</td></tr><tr><td>Stars have their own light</td><td>Do not have light of their own. They only reflect sunlight</td></tr><tr><td>Stars appear to twinkle in the sky</td><td>Planets do not twinkle.</td></tr></table><br>c) Craters are bowl-shaped depressions on the surface of the Moon.<br><br>Craters on the Moon are formed due to the impact of meteoroids, asteroids, and comets colliding with its surface. The Moon has no atmosphere to burn these objects, so they hit the surface directly, creating craters.</td><td>1<br><br>½ x 4=2<br><br>1+1</td></tr>
<tr><td></td><td>SECTION E (3X4=12)</td><td></td></tr>
<tr><td>37</td><td>i) Water softens the seed coat and helps the embryo grow.<br><br>ii) She can use this knowledge for proper storage of grains and pulses, by keeping them in cool and dry places, such as cold Storage and airtight Containers.<br><br>iii) A plant’s life cycle starts with seed germination, while an animal’s life cycle begins with a newborn or an egg. Plants grow throughout their life, whereas animals stop growing after a certain stage.</td><td>1<br><br>1<br><br>2</td></tr>
<tr><td>38</td><td>i) Sedimentation followed by decantation.<br><br>ii) Because it does not remove all the tea leaves, some tea leaves remain in the tea.<br><br>iii) Filtration completely separates tea leaves from tea. Filtration can also be used to even smaller solid particles that do not settle during sedimentation.</td><td>1<br><br>1<br><br>2</td></tr>
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| 39 | i) Measurement is the comparison of an unknown quantity with a known fixed quantity of the same kind.<br><br>ii) Hand span cannot be used as a standard unit of measurement because the sizes of the body parts of different people are different. So, it creates confusion.<br><br>iii) This system has many advantages; it is universally accepted, allows very small measurements, makes inter-conversion simple, helps in easy calculations, and the units do not change with time. Hence, it provides accurate and uniform measurements for various purposes. | 1<br><br>1<br><br>2 |
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