

**KENDRIYA VIDYALAYA SANGATHAN LUCKNOW REGION**

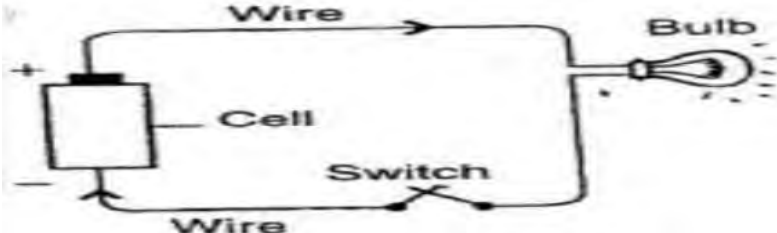
**SESSION ENDING EXAM 2024**

**CLASS- VI**

**ANSWER KEY**

**SUBJECT – Science**

**M.M 60**

S.NO	SECTION A	MARKS
1	a. Nitrogen	1
2	c. Magnetite	1
3	b. stamens	1
4	d. It responds to changes in the environment	1
5	b. near two ends	1
6	b. Moon	1
7	c. Periodic motion.	1
8	a. Keeping in pairs	1
9	b. Oxygen	1
10	d. adaptation	1
<b>SECTION B</b>		
11	1 Km = 1000 m 1.5 Km	1+1
12	Appropriate diagram  ½ for cell, bulb and switch each. +1/2 for correct connection	1/2 +1/2 + ½+ ½
13	Any two characteristics of living things <b>OR</b> 1. Desert animal camel have long legs 2. desert animal do not sweat hence can survive without water for long days (Or any 2 correct points)	1+1
14	1. magnet have 2 poles 2. Freely suspended bar magnets always rest at north and south direction 3. It attracts magnetic materials 4. Like poles repel and unlike poles attract each other. (any 2 correct points)	1+1
15	1. It transport water up to the leaves in a plant 2. It bears leaves, branches fruits and flowers <b>OR</b> (i) Root (ii) leaves	1+1

SECTION C														
16	<div style="text-align: center;"> <p style="text-align: center;">Magnet 1                      Magnet 2</p> <p>a.                      Repulsion</p> <p>b.                      Attraction</p> </div> <p>½ mark for each correct pole</p>	½ X 6												
17	<p>a. WINDMILL b. OXYGEN C. SMOKE</p> <p><b>OR</b> Any 3 correct activity.</p>	1+1+1												
18	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Image</th> <th style="width: 50%;">Shadow</th> </tr> </thead> <tbody> <tr> <td>1. The formation of image takes place when the light rays are reflected by an object.</td> <td>The formation of shadow takes place when the light falls on an opaque object.</td> </tr> <tr> <td>2. We are able to see images when light refraction enters our eyes.</td> <td>In the case of shadow no light enters our eyes.</td> </tr> <tr> <td>3. Image contains colour, structure etc. of the object.</td> <td>Shadow does not give any information about the object as it is colourless.</td> </tr> <tr> <td>4. The size of the image is the same as the size of the object.</td> <td>Shadow is not an optical representation of any object as it is cast by an object intercepting light .</td> </tr> <tr> <td>5. Image is the optical representation of any object.</td> <td>It is mandatory to have a screen to form a shadow.</td> </tr> </tbody> </table> <p>Any 3 points</p>	Image	Shadow	1. The formation of image takes place when the light rays are reflected by an object.	The formation of shadow takes place when the light falls on an opaque object.	2. We are able to see images when light refraction enters our eyes.	In the case of shadow no light enters our eyes.	3. Image contains colour, structure etc. of the object.	Shadow does not give any information about the object as it is colourless.	4. The size of the image is the same as the size of the object.	Shadow is not an optical representation of any object as it is cast by an object intercepting light .	5. Image is the optical representation of any object.	It is mandatory to have a screen to form a shadow.	1+1+1
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19	<div style="text-align: center;"> <p style="text-align: center;">Grass, (Parallel venation)      Peepal (Reticulate venation)      China rose (Reticulate venation)</p> </div> <p><b>OR</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Structure of stamen</p> </div> <div style="text-align: center;"> <p>Structure of carpel</p> </div> </div>	1+1+1												
20	No, bulb A will not glow because the circuit is now opened and current will not flow in circuit.	1+2												
SECTION D														

21	(a) Any 3 characteristics. (b) Habitat of plants and animals that live in water is called aquatic habitat. (c) fish and tortoise.	3 + 1+ 1
22	a. Wires of the circuit are connected to plastic end of the tester and as plastic is an insulator bulb will not glow. b. Both ends of Wires may be connected to metallic part of the tester or tester can be replaced with some other conducting materials to make the bulb glow correct diagram	2 +  2+  1
<b>SECTION E</b>		
23	a. Bholu b. (ii) longer distance with a higher speed. C. Bholu covered $10+10 = 20\text{m}$ and Golu covered 10 m d. Km and cm	1+ 1+ $\frac{1}{2} + 1/2$  1+1
24	a. mask b. He has put a mask on his nose to protect himself from dirt and polluted air. Since the mask avoids exposure to the harmful exhaust of vehicles, thus prevents the harmful gases and dust particles entering our body. (c) In the given figure the quality of air is bad since it is polluted. Due to the smoke and harmful gases such as carbon monoxide and sulphur dioxide emitted by the automobiles along with dust particles the air is polluted.	1+ 2+  2
25	a. (i) The colour of the shadow of an object do not depends on its colour of the object. It is always black. (ii) Transparent objects allow light to pass through them completely. (iii) Image formed by pinhole camera is diminished. b. ii. Mom  c. FLOWER	1+ 1+ 1+  1+  1