

**KENDRIYA VIDYALAYA SANGATHAN LUCKNOW REGION**  
**SESSION ENDING EXAM 2024**

**CLASS- VI**  
**SUBJECT – Science**

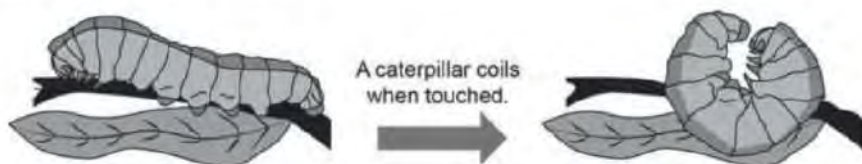
**DURATION : 2 ½ HRS**  
**M.M 60**

**GENERAL INSTRUCTIONS:**

1. All questions are compulsory however internal choices are given.
2. Question. No. 1 to 10 multiple choice questions carrying 1 mark each.
3. Question. No. 11 to 15 are short answer type carrying 2 marks each.
4. Question. No. 16 to 20 are also short answer type carrying 3 marks each.
5. Question. No. 21 and 22 are long answer type carrying 5 marks each.
6. Question. No. 23 to 25 are CASE BASED / CCT Type carrying 5 marks each.
7. Support your answer with diagram wherever required.

**SECTION A**

- |   |  |               |
|---|--|---------------|
| 1 | The main constituent of air is-                | 1             |
|   | a. Nitrogen                                    | b. Oxygen     |
|   | c. carbon dioxide                              | d. Hydrogen   |
| 2 | Which among the following is a natural magnet? | 1             |
|   | a. Bakelite                                    | b. Hematite   |
|   | c. Magnetite                                   | d. Bar magnet |
| 3 | Male reproductive part of a flower is –        | 1             |
|   | a. sepals                                      | b. stamens    |
|   | c. Petals                                      | d. Pistil     |
| 4 | A caterpillar coils when touched.              | 1             |



- Which feature of the caterpillar is shown in the picture?
- |    |  |                           |
|----|--|---------------------------|
| 5  | When a bar magnet is brought near iron dust, most of dust sticks-                                      | 1                         |
|    | a. Near the middle   | b. near two ends          |
|    | c. Equally everywhere  | d. cannot be predicted    |
| 6  | A non-luminous Object is –   | 1                         |
|    | a. Sun   | b. Moon                   |
|    | c. Tube-light  | d. Torch                  |
| 7  | The motion of a swing is an example of _____   | 1                         |
|    | a. Rectilinear motion  | b. Circular motion.       |
|    | c. Periodic motion.  | d. None of the above.     |
| 8  | Magnetic properties of a magnet cannot be destroyed by-  | 1                         |
|    | a. Keeping in pairs  | b. heating                |
|    | c. hammering   | d. dropping from a height |
| 9  | Which of the following gas helps in respiration-   | 1                         |
|    | a. Nitrogen  | b. Oxygen                 |
|    | c. carbon dioxide  | d. Hydrogen               |
| 10 | Animals and plants have certain features which make them to survive in a particular habitat is called- | 1                         |
|    | a. Specialization  | b. evolution              |
|    | c. ecosystem   | d. adaptation             |

### SECTION B

- 11 The distance between Radha's house and her school is 1500 m. Express the distance into km. 2
- 12 Draw an electric circuit using a bulb, switch in ON position and a cell. 2
- 13 'A tree does not move from one place to another, still it is considered as living.' Explain. 2

OR

- Write any two adaptive features of a desert animal.
- 14 List the properties of a magnet. 2
- 15 State any two functions of stem in a plant. 2

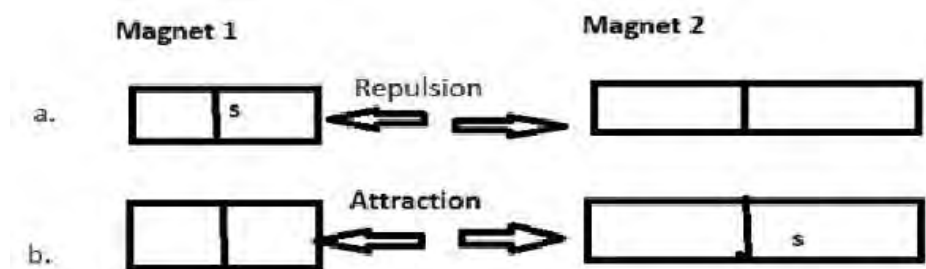
OR

Write the names of the parts whose functions are given below-

- (i) fixes plant to the soil
- (ii) prepares food by photosynthesis

### SECTION C

- 16 3



Observe the picture given above and mark the missing poles of the magnets. Redraw the diagram with marked poles.(s=south)

- 17 In the boxes of Column I the letters of some words got jumbled. Arrange them in proper form in the boxes given in Column II 3

#### Column I

- (a) D I L L M W I N
- (b) Y N O G X E
- (c) M E S K O

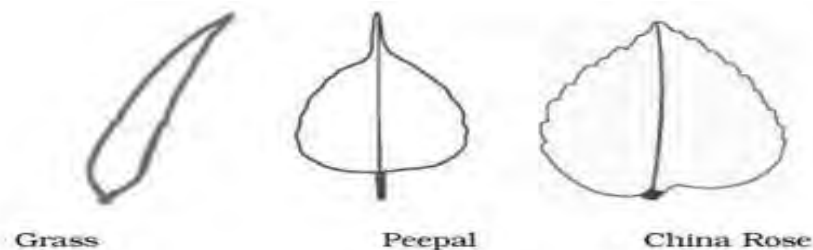
#### Column II

- (a) [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
- (b) [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]
- (c) [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

OR

List any three activities that are possible due to the presence of air.

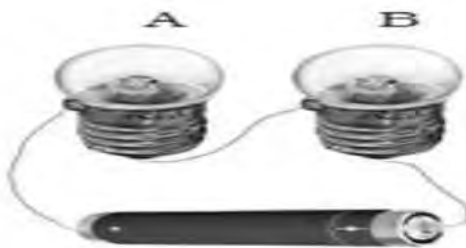
- 18 What makes images different from shadows?(any 3 differences) 3
- 19 Draw the veins of leaves in the given figure below and write the type of venation. 3



OR

Draw the labelled diagram of female and male reproductive parts of a flower.

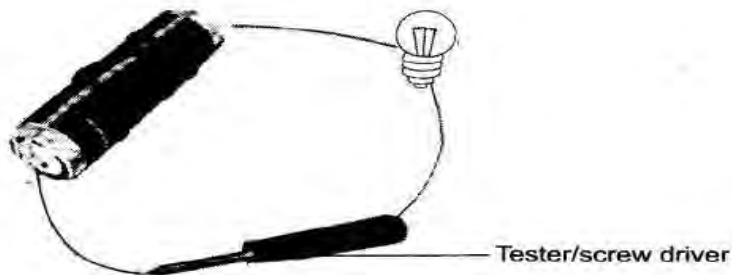
- 20 Kritika connected two bulbs to a cell as shown in the given figure. 3



She found that filament of bulb B is broken. Will the bulb A glow in this circuit?  
Give reason.

#### SECTION D

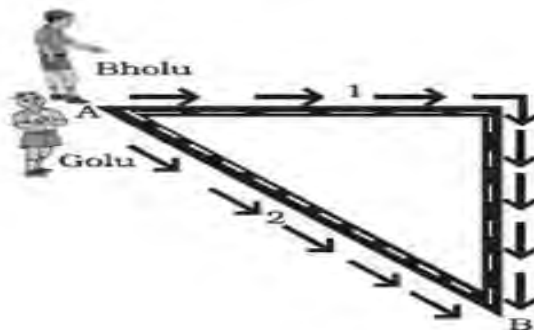
- 21 (a) List the important characteristics of living things which differentiate them from non-living things. 3 +  
(b) Define aquatic habitat. 1+  
(c) Name any two aquatic animals. 1
- 22 a. Explain why the bulb would not glow in the arrangement shown below- 2 +



b. What can be done in the above arrangement to make the bulb glow? Draw its diagram also. 3

#### SECTION E

- 23 Bholu and Golu are playing in a ground. They start running from the same point A in the ground and reach point B at the same time by following the paths marked 1 and 2 respectively as shown in the given figure.



- a. Who has covered more distance to reach at point B? 1+  
b. As compared to Golu, Bholu covers a – (choose correct option from (i) to (iv) ) 1+  
(i) longer distance but with a lower speed.  
(ii) longer distance with a higher speed.  
(iii) shorter distance with a lower speed.  
(iv) shorter distance with a higher speed.  
c. If the length of each side of above figure is 10m find the distance covered by Bholu and Golu?  
d. Write the appropriate unit for measuring – 1+  
(i) The distance between two cities.  
(ii) The length of your science textbook. 2

Observe the figure and answer-

5



- What is covering the nose and mouth of the police man?
- Why is he putting a cover on his nose?
- Comment on air quality of the place shown in the figure.

25

- Correct the following statements.
  - The colour of the shadow of an object depends on its colour of the object.
  - Transparent objects allow light to pass through them partially.
  - Image formed by pinhole camera is magnified (large in size).
- Tom, his mother and father are holding the placards in their hands as shown in the given figure. Who among them will be able to read his/her placard the same in a plane mirror?

3+

1+



- Dad
  - Mom
  - Tom
  - The whole family
- c. Write the mirror image of the word- FLOWER

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