

MODEL PAPER

CLASS – VI

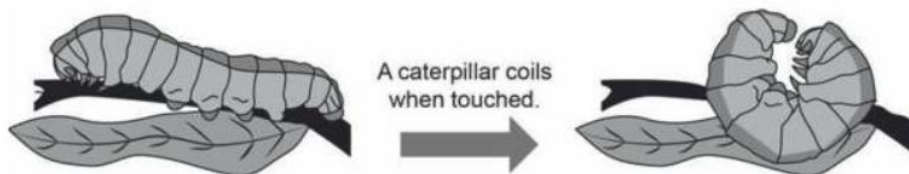
SUBJECT - SCIENCE

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?
- a. It grows.
 - b. It reproduces.
 - c. It breathes through tiny pores on its bodies.
 - d. It responds to changes in the environment
- 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

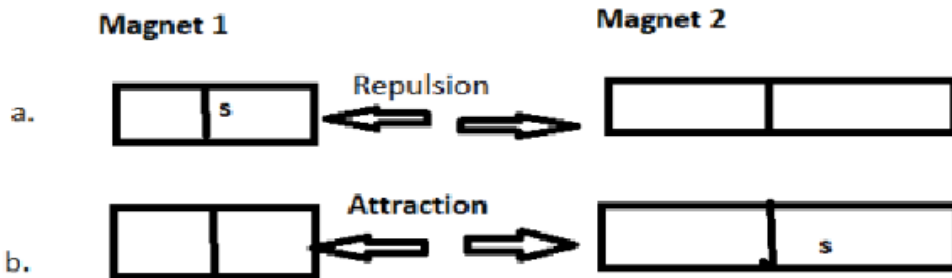
OR

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

Column II

(a) D I L L M W I N

(a)

(b) Y N O G X E

(b)

(c) M E S K O

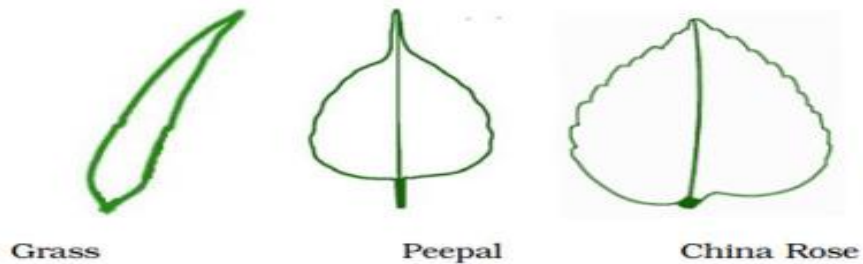
(c)

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

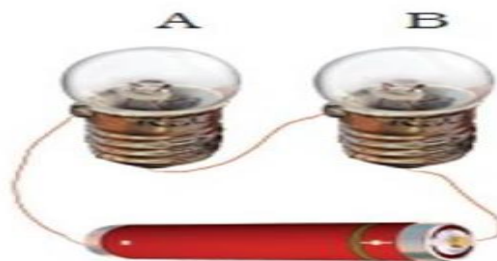
19 Draw the veins of leaves in the given figure below and write the type of venation. 3



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.

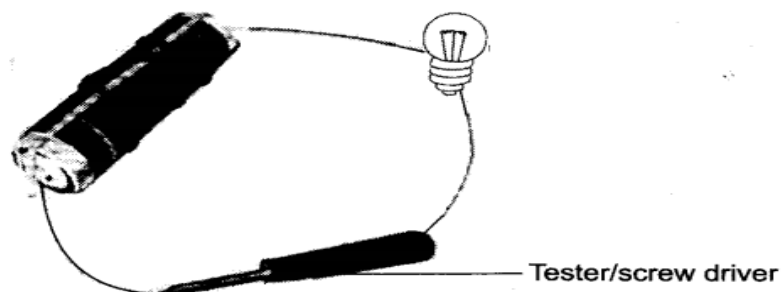
SECTION D

21 (a) List the important characteristics of living things which differentiate them from non-living things. 3 +

(b) Define aquatic habitat.

(c) Name any two aquatic animals. 1+ 1

22 a. Explain why the bulb would not glow in the arrangement shown below- 2 +

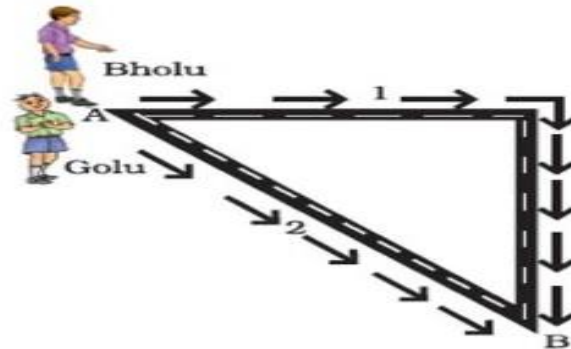


b. What can be done in the above arrangement to make the bulb glow? Draw its diagram also. 3

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? 1+
- d. Write the appropriate unit for measuring – 2
- (i) The distance between two cities.
 (ii) The length of your science textbook.

Observe the figure and answer-

24



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

- 25 a. Correct the following statements. 3+
- (i) The colour of the shadow of an object depends on its colour of the object.
 (ii) Transparent objects allow light to pass through them partially.
 (iii) Image formed by pinhole camera is magnified (large in size).
- b. 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? 1+



1

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