



विद्या सर्वार्थ साधिका

# ANANDALAYA ANNUAL EXAMINATION

Class : VI

Subject: Science

Date : 01-03-2023

MM : 80

Time: 3 hours.

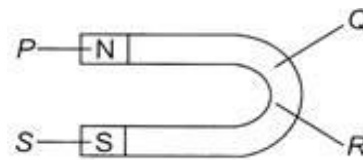
## General Instructions:

- (i) There are four sections with 36 questions in this question paper. All questions are compulsory.
- (ii) Section A consists of 16 Objective type questions carrying 1 mark each.
- (iii) Section B consists of Very short answer questions carrying 2 marks each.
- (iv) Section C consists of Short answer questions carrying 3 marks each.
- (v) Section D consists of Long answer questions carrying 5 marks each.

## SECTION A

- 1 To prevent electric shocks, the metallic electrical wire is covered with \_\_\_\_\_. (1)  
(A) steel (B) iron (C) aluminium (D) plastic
- 2 Which component/s of air acts as a non-supporter of burning? (1)  
(A) Oxygen (B) Nitrogen and Carbondioxide  
(C) Oxygen and Carbondioxide (D) Nitrogen
- 3 The object which does not have light of its own is \_\_\_\_\_. (1)  
(A) Shining mirror (B) Light bulb (C) Sun (D) Lighted match stick
- 4 The property of the components used for separating the iron fillings and saw dust is \_\_\_\_\_. (1)  
(A) sublimation (B) magnetic separation  
(C) winnowing (D) separating funnel
- 5 Which type of waste is not to be collected in blue bin? (1)  
(A) Plastic (B) Wool (C) Metal (D) Glass
- 6 The motion of second's hand of a clock is an example of \_\_\_\_\_. (1)  
(A) circular motion (B) periodic motion  
(C) linear motion (D) rotational motion
- 7 The pistil is the female part of the flower. It is also known as \_\_\_\_\_. (1)  
(A) calyx (B) carpel  
(C) corolla (D) stamen
- 8 Which is not an abiotic component of environment? (1)  
(A) Soil (B) Bacteria (C) Water (D) Air
- 9 The number of ribs in human rib cage is \_\_\_\_\_. (1)  
(A) 10 pairs (B) 13 pairs (C) 11 pairs (D) 12 pairs

10 Lisa did an experiment to find out which part of the magnet attracts maximum pins. From the given figure find out that part/s.



(1)

- (A) P and S                      (B) Only P                      (C) P and Q                      (D) S and R

11 You are given cotton thread and a curved metallic cloth line to measure the door length of your class. Which one will you use to measure the door length and why?

(1)

12 Sometimes an electric bulb does not glow even if it is connected to the cell. What could be the reason?

(1)

13 Why do earthworms come out of the soil during heavy rains?

(1)

14 How are moon and planets visible to us, though they are not luminous?

(1)

15 List any two significant characteristics of living organisms.

(1)

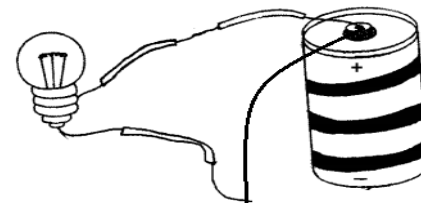
16 Identify the magnetic substances from the list given below:

Vehicle key, Wood, Rubber, Steel, Fork, Chalk

(1)

**SECTION B**

17 Sameer tried to construct a simple circuit as given in the figure in which the bulb did not glow.

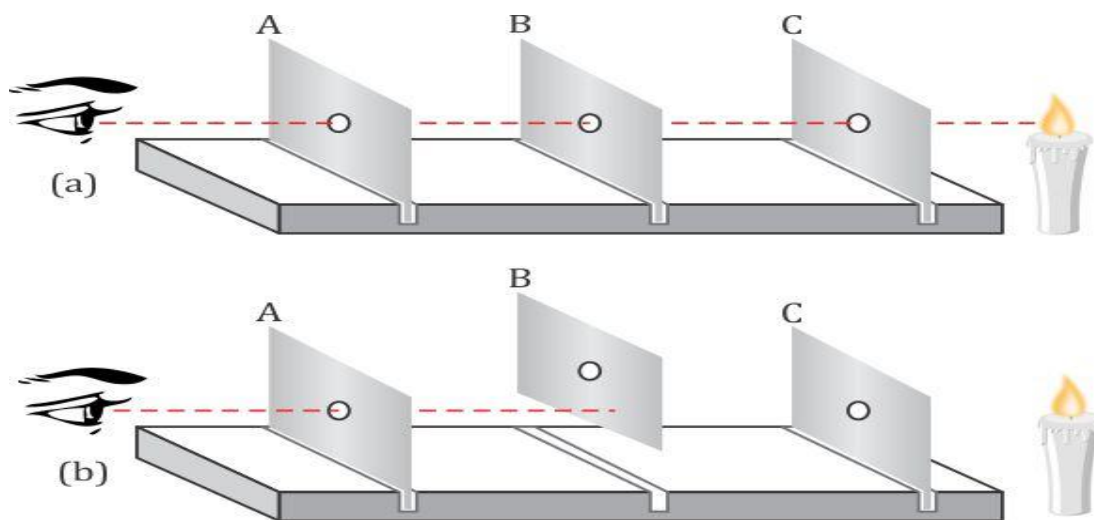


(2)

- (a) Is the circuit made by him is closed or open?  
 (b) What correction is required in the circuit to make the bulb glow?

18 Rakesh performed the experiment in the physics laboratory as shown in the figure and recorded his observations in the notebook. Observe the figure (a) and (b) and answer the given questions:

(2)

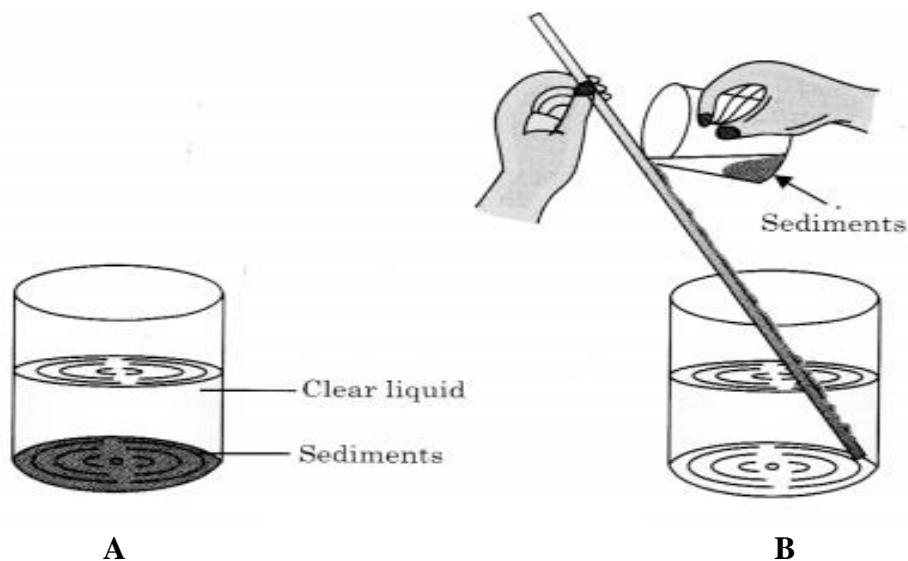


- (i) Write the principle of this experiment.  
 (ii) Why was he not able to see the candle as shown in (b)?

- 19 Name any four ancient modes of measurement. (2)
- 20 Write any two ways by which a magnet gets demagnetised. (2)
- 21 Why do rag pickers often fall sick? (2)
- 22 The flower develops on the stems and branches, yet it is not the vegetative part of the plant. Justify the given statement. (2)
- 23 Snakes do not have limbs, but they have a flexible body. How do snakes crawl on the ground? (2)
- 24 Heena visited a pond near his house. Name any four organisms that she would have observed in and around a pond. (2)

### SECTION C

- 25 How does nature balance the concentration of oxygen and carbon dioxide in the atmosphere? (3)
- 26 (a) Draw the diagram of Bar magnet and Horse-shoe magnet. (3)  
 (b) Can we isolate north pole or south pole of the magnet? Give reason.
- 27 Identify and explain the type of separation methods shown in both the figures A and B: (3)

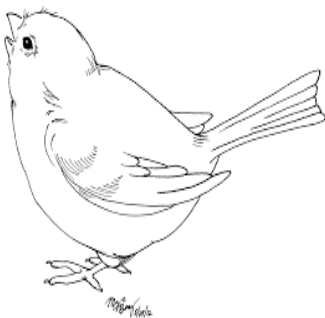


- 28 (a) What is an electric switch? (3)  
 (b) What is the purpose of using an electric switch?  
 (c) Name some electrical gadgets that have switches built into them.
- 29 (a) In some plants leaves are multicoloured and do not look green. Do these leaves have chlorophyll? Give reason to your answer. (3)  
 (b) Show two types of leaf venation with the help of diagrams.
- 30 In human body, muscle work together with bone for movements. Explain how it happens. (3)

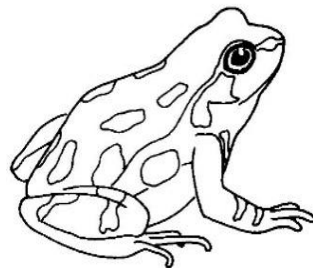
### SECTION D

- 31 Write the procedure to convert an iron strip into a temporary magnet. Support your answer with a diagram. (5)
- 32 (a) Write the components of 'Air'. (5)  
(b) Write an activity to prove that air occupies space.
- 33 Explain the method that can be used for separating the following mixture: (5)  
(i) Sand and husk  
(ii) Wheat, sugar and stalk  
(iii) Water and petrol  
(iv) Rice and salt  
(v) Sand and salt
- 34 (a) We should not burn plastic waste. Why? (5)  
(b) Suggest three ways to minimise overuse of plastics.  
(c) Mention any one environmental benefit of reducing use of plastics.
- 35 Sindhu fractured her thigh bone while playing. Doctor plastered and prescribed calcium tablets and pain killers. She also suggested that she should take complete rest for at least a month. (5)  
(a) What is fracture?  
(b) How was the fracture diagnosed by doctor?  
(c) Which type of joint is found between thigh bone and hip bone?  
(d) Explain the movement exhibited by that joint.  
(d) Why were calcium tablets prescribed to her?
- 36 The living things are of different size, shape and colour. The organisms are classified based on their habitat such as terrestrial, aquatic and arboreal. They have adapted very well to these habitats. (5)

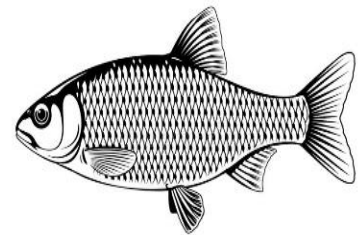
The figures (A), (B) and (C) represent the organisms that live in different habitats.



(A)



(B)



(C)

- (a) Select the animals from the given that occupy more than one habitat.  
(b) Explain why these animals occupy more than one habitat.  
(c) Write one adaptive feature of each of the animal given in the figure.