



विद्या सर्वार्थ साधिका

ANANDALAYA  
PERIODIC TEST - 3  
Class : VI

Subject: Science

Date: 07/01/2020

M.M : 50

Time : 2 Hours

General Instructions:

1. All questions are compulsory. There are 23 questions in all.
2. Question numbers 1 to 11 are objective type questions and carry 1 mark each.
3. Question numbers 12 to 14 are short answer questions and carry 2 marks each.
4. Question numbers 15 to 20 are also short answer questions and carry 3 marks each.
5. Question numbers 21 to 23 are long answer questions and carry 5 marks each.

1. The part of the bulb which gives off light is (1)  
(a) glass (b) base (c) filament (d) metal cover
2. The cells/batteries which can be recharged are usually those used in (1)  
(a) electric clocks and mobile phones (b) mobile phones and cameras  
(c) cameras and TV remotes (d) electric clocks and TV remotes
3. The hardest substance is (1)  
(a) diamond (b) graphite (c) chalk (d) sulphur
- 4.. Which of the following animal does not have gills? (1)  
(a) squids (b) octopus (c) dolphin (d) fish
5. An animal lives on land and in water. It has a tail and its body is covered with scales. The animal is (1)  
(a) shark (b) crocodile (c) frog (d) fish
6. The electric circuit is incomplete if it has a fused bulb in it. State True or False. (1)
7. Omnivores feed on both plants and animals. State True or False. (1)
8. When milk, cooled after boiling, is poured on to a piece of cloth, cream is left behind on it. This process of separation is called \_\_\_\_\_. (1)
9. What is an electric circuit? (1)
10. Which property will you use to classify the things given in the table into different groups? Group similar materials together. (1)  
a) table b) water c) kerosene d) chalk e) eraser f) milk
11. Plants do not eat. Where do they get energy from? (1)
12. Explain the role of a switch in an electric circuit. (2)
13. Identify the property of the material in the following cases. (2)  
(a) metals in electric circuits (b) glass in window panes of living room  
(c) wood in boats (d) diamond in jewellery

14. a) Give two examples of non living things that exhibit the characteristics of living things: (2)  
 b) Desert animals like fennec fox and jerboas have big ears. – Explain.

15. Classify the following into the ones that would make the bulb glow and the ones that would not. (3)

a) a plastic scale	b) a key	c) a piece of glass
d) a steel glass	e) a candle	f) an iron nail

16. Make an electric circuit using the things given below and write the procedure. Also support your answer with the diagram. (3)

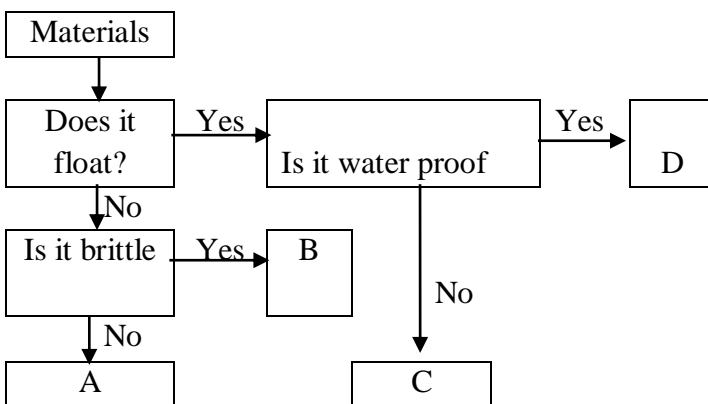
A strip of aluminum foil, tape, a small piece of wire, a cell or battery, a small light bulb

17. a) Ali dissolved a spoon of sugar in a glass full of water, will the level of water in the glass increase? Explain. (3)

b) Anu has to separate the sugar crystals that have been mixed with the wheat flour. Explain the method of separation you would adopt to separate them.

c) Can a mixture of sugar and salt be separated by adding them to water and then filtering the solution? Why?

18. a) Study the chart given below: Which of the materials given in the table can be A, B, C and D ? (3)



A	B	C	D
glass	metal	paper	rubber
metal	glass	rubber	paper
paper	rubber	metal	glass
metal	glass	paper	rubber

b) Why is it easy to hold a steel tumbler with cold milk than the one with the hot milk?

19. Arun bought live plants, a tank, gravel, sand, and some colourful fishes. Help him to create an aquatic habitat at home using the things. (3)

Explain in your own words the necessity of (a) sand (b) live plants and (c) sunlight in an aquarium.

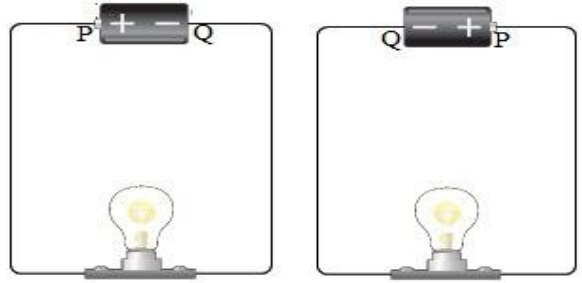
20. a) If an organism fails to adapt to its environment, what could be the possible consequences? (3)

b) We see so many stray dogs in the streets. How do we help them? Write any four sentences to support your answer.

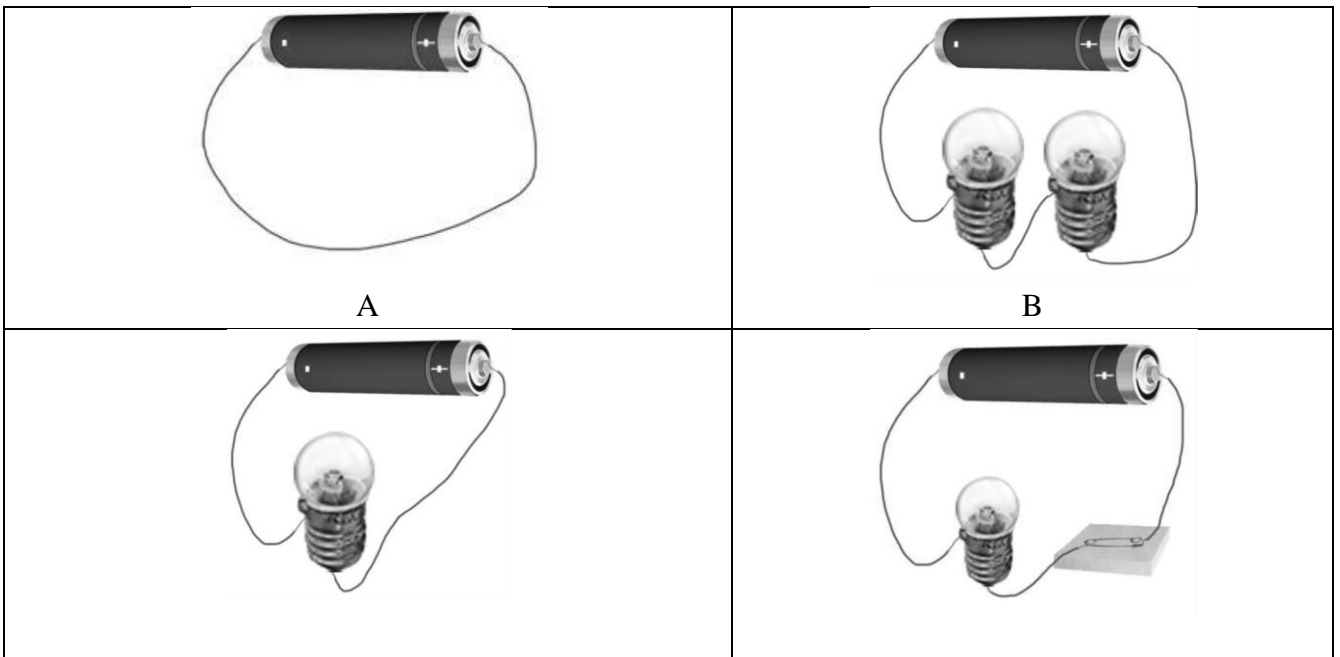
21. a) A torch is not functioning, though contact points in the torch are in working condition. What can be the possible reasons for this? Mention any three. (5)

b) The given pictures show a bulb connected to a cell in two different ways.

- i) What will be the direction of the current through the bulb in both the cases? Q to P or P to Q
- ii) Will the bulb glow in both the cases?
- iii) Does the brightness of the glowing bulb depend on the direction of current through it?



c) Which of the following arrangement A, B, C and D given in picture should not be set up? Explain why?



22. You are provided with a mixture of salt, sand, oil and water. Write the steps involved for the separation of salt, sand and oil from the mixture by giving an activity along with the diagram. (5)

23. a) State how the following adaptations help the respective living organisms: (5)

- i) Some of the aquatic plants have narrow and thin ribbon-like leaves.
- ii) Frogs have strong back legs.
- iii) In aquatic plants, roots are much reduced in size.
- iv) Some sea animals like squids and octopus stay deeper in the ocean.
- v) Snow leopard has thick fur on its feet and paws
- vi) Leaves in some of the desert plants are present in the shape of spines.

b) A deer is an animal that lives in forests and grasslands. Explain the adaptations that help it to survive in the forest.