ATOMIC ENERGY CENTRAL SCHOOL-2, MUMBAI

PERIODIC TEST-2, 2023-24

Class: VI **Time** : 90 min

Subject: SCIENCE **Max Marks**: 40

General Instructions:

1. This question paper consists of four sections A,B,C,D
2. Section A has 10 Multiple choice questions and 5 Fill in the blanks questions and each question carries 1mark.
3. Section B has 4 questions and each question carries 2 marks.
4. Section C has 4 questions and each question carries 3 marks.
5. Section D has a case study question comprising five questions, each carrying one mark. Answer all five questions.
6. Draw a neat labelled diagram wherever necessary.
7. All the questions are compulsory.

SECTION- A

I. Choose the correct option from the following options. (1x10=10)

1. The removal of waste substances from the body is called
   (a) reproduction (b) respiration (c) breathing (d) excretion

2. Which of the following animals does not have gills?
   (a) Squids (b) Octopus (c) Dolphin (d) Fish

3. Which of the following is an ancient method for measurement?
   (a) Cubit (b) Ruler (c) Measuring tape (d) Measuring rod

4. The distance between Delhi and Mumbai is usually expressed in units of:
   (a) Decametre (b) Metre (c) Centimetre (d) Kilometre

5. When an opaque object comes in the way of light, it makes
   (a) a shadow (b) a coloured image (c) a black and white image (d) no image

6. A device containing two plane mirrors which gives us a higher viewer than normal is:
   (a) Stethoscope (b) Microscope (c) Periscope (d) Telescope

7. The thin wire present inside the bulb that glows on heating is called
   (a) cell (b) switch (c) filament (d) thick wire

8. To prevent electric shocks, the coverings of electrical wires are made with
   (a) paper (b) cotton (c) aluminium (d) plastic

Question No. 9 and 10 consist of two statements – **Assertion (A) and Reason (R)**.

Answer the question selecting the appropriate option given below:

a) Both Assertion and Reason are true and Reason is the correct explanation of Assertion.

b) Both Assertion and Reason are true but Reason is not the correct explanation of Assertion.

c) Assertion is true but Reason is false

d) Assertion is False but Reason is true.

9. Assertion – Human body is a bad conductor of electricity.
   Reason – The materials which allow electric current to pass through them are conductors of electricity.
10. Assertion – A branch of a tree moving to and fro , motion of a child on a swing ,strings of a guitar are the example of periodic motion.
    Reason- The motion in which an object repeats its motion after sometimes known as periodic motion.

II . Fill in the blanks with suitable words. **(1 x 5=5)**

1. A …… can be used to measure the length of a curved line.
2. Objects that give out or emit light of their own are called _____ objects.
3. Sunlight, water and air are …… components of an ecosystem.
4. A ……. is a device which makes or breaks the circuit.
5. An electric current flow from ……. terminal of the electric cell to its ……. terminal.

SECTION – B

III. Answer **the following questions**. **(2x 4=8)**

1. Name two devices in which we use an electric cell.
2. Write two examples for each of the following types of motion:
   a) Circular motion
   b) Periodic motion
3. What all do we need in order to see a shadow?
4. Mention one adaptation present in the following animals:
   a) In camels to keep their bodies away from the heat of sand.
   b) In frogs to enable them swim

SECTION – C

IV. Answer the following questions in three to four sentences **(3x 4=12)**

1. What are the adaptive features of a lion that help it in hunting? (any three features)
2. State three precautions, which should be taken while using a metre scale to measure the length of an object.
3. What is the difference between the image formed by a pinhole camera and a shadow? (three differences)
4. What are conductors? Give two examples.

SECTION – D

V.Read the passage and answer the following questions. (5)

An electric cell produces electricity from the chemicals stored inside it. When the chemicals in the electric cell are used up, the electric cell stops producing electricity. The electric cell then has to be replaced with a new one. When two terminals of the electric cell were connected to two terminals of the bulb then such an arrangement is an example of an electric circuit. The electric circuit provides a complete path for electricity to pass (current to flow) between the two terminals of the electric cell. The bulb glows only when current flows through the circuit.

a) You are provided with a bulb, a cell, a switch and some connecting wires. Draw a diagram to show the connections between them to make the bulb glow.
b) A fused bulb does not glow. Why?
c) What will happen if we join two terminals of electric cell directly through a wire?
d) Why do the handles of the tools used by electricians for repair work usually have a plastic or rubber covers on them?

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