

CBSE
Class VI Science
Term 2
Sample Paper – 2

Time: 2 ½ hrs

Total Marks: 80

General Instructions:

1. The question paper consists of 34 questions and is divided into four sections, A, B, C and D
 2. All questions are compulsory.
 3. Section A comprises question numbers 1 to 15. These are multiple choice questions carrying one mark each. You are to select one most appropriate response out of the four provided options.
 4. Section B comprises question numbers 16 to 22. These are SAQs carrying two marks each.
 5. Section C comprises question numbers 23 to 31. These are SAQs carrying four marks each.
 6. Section D comprises question numbers 32 to 34. These are SAQs carrying five marks each.
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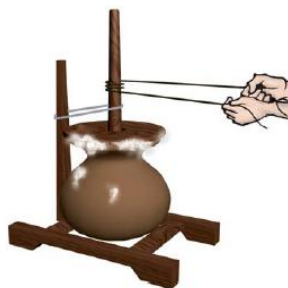
SECTION-A

1. The botanical name of touch-me-not plant is [1]
(a) *Mimosa*
(b) *Bryophyllum*
(c) Daffodils
(d) Jasmine
2. Which one of the following animals reproduce by giving birth to young ones? [1]
(a) Frog
(b) Giraffe
(c) Turtle
(d) Crocodile
3. Which of the following structures is not present in the alimentary canal of red worms?[1]
(a) Crop
(b) Gizzard
(c) Stomach
(d) Teeth

4. Which of the following is not a form of precipitation? [1]

- (a) Rain
- (b) Hail
- (c) Snow
- (d) River

5. Shown below is the technique used to separate butter from milk. What is this technique called? [1]



- (a) Winnowing
- (b) Hand picking
- (c) Churning
- (d) Sieving

6. The liquid obtained after filtration is called [1]

- (a) Residue
- (b) Filtrate
- (c) Supernatant
- (d) Solution

7. A metal surface which is freshly rubbed and cleaned using a sand paper is (1)

- (a) Lustrous
- (b) Non-lustrous
- (c) Black
- (d) Brown

8. Photosynthesis takes place during [1]

- (a) The night only
- (b) The day only
- (c) The whole day
- (d) Noon only

9. Name the part of the jute plant from which jute is obtained. (1)

- (a) Leaf
- (b) Root
- (c) Fruit
- (d) Stem

10. Which of the following are battery powered electric appliances? [1]

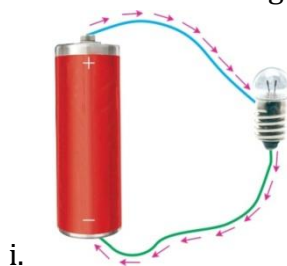
Refrigerator, Torch, Mobile Phone, Washing Machine

- (a) Refrigerator and Torch
- (b) Torch and Mobile Phone
- (c) Mobile Phone and Washing Machine
- (d) Refrigerator and Washing Machine

11. The internal circuit of a torch consists of a cell, a key and a bulb connected with wires. What happens when the bulb is switched on? [1]

- (a) Key gets closed, current does not flow and the bulb glows.
- (b) Key gets closed, current flows and bulb glows.
- (c) Key gets open, current flows and the bulb glows.
- (d) Key gets open, current does not flow and the bulb does not glow.

12. Which of the following diagrams is correct? [1]



- (a) (i)
- (b) (ii)
- (c) Both (i) and (ii)
- (d) None

13. In the following, which one is the longest distance? (1)

- (a) Delhi to Mumbai
- (b) New Delhi to New York
- (c) Your home to the market
- (d) Earth to Moon

14. A block of magnet is kept with its North Pole facing the top and South Pole at the bottom, as shown in the given figure. [1]



Another special magnet of a relatively small size is dropped on top of the block magnet. It is observed that the two magnets do not come in contact with each other. Which diagram shows the exact positions of the poles on the special magnet?

(a)



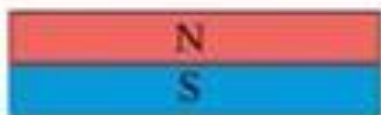
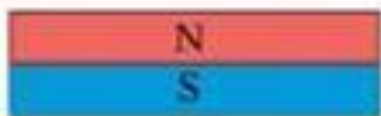
(b)



(c)



(d)



15. The given table lists the number of steel chips which can be attracted by four different magnets. The magnetic strength of which magnet is the maximum? [1]

Magnet	Number of steel chips
I	26
II	38
III	27
IV	37

- (a) I
- (b) II
- (c) III
- (d) IV

SECTION-B

16. Give reasons for the following: [2]

- i. Fishes have streamlined body shape.
- ii. Fishes cannot survive outside water.

17. People in many places carelessly throw plastic bags on roads. How will this pose a problem for drains and sewer systems? [2]

18. What will happen if the saturated solution of a substance in water is (i) heated, and (ii) cooled? [2]

19. Write any 2 points of difference between transparent and opaque materials. [2]

20. How will you test the presence of starch in food? [2]

21. Identify the symbols. [2]

- i.



- ii.



22. An eraser is one fifth the length of a pencil. A pencil is twice the length of a compass. If the length of the compass is 7.5 cm, what is the length of the eraser? [2]

SECTION-C

- 23.** [4]
(a) Separate the following garbage into two groups: Those which do not rot and those which rot when buried.
Dried leaves, leftover food, plastic toys, egg shells, glass jar, aluminium wrappers
(b) How is compost useful for plants?
- 24.** [4]
(a) Discuss ways of minimizing generation of plastic waste.
(b) Why it is better to use compost as manure instead of chemical fertilizers?
- 25.** [4]
(a) Name the respiratory organs in the following organisms:
i. Earthworm
ii. Fish
iii. Plant
iv. Human
(b)
i. Write two ways in which plants carry out excretion?
ii. Eggs of birds and seeds of plants help to carry out which important process of life?
- 26.** [4]
(a) Define solubility?
(b) State two examples of gases dissolved in water.
(c) What will be the effect of temperature on solubility of gases in water? State its consequences.
- 27.** Explain why burning of paper and formation of curd from milk are said to be irreversible changes whereas boiling of water and melting of coal tar on heating are considered reversible changes. [4]
- 28.** [4]
(a) Why do sea divers carry oxygen gas cylinders along with them while going deep into water?
(b) With the help of an experiment, show that water contains dissolved air in it?

29. [4]

- (a) Why does the bulb not glow when the safety pin is not in touch with the other drawing pin?



- (b) Select the insulators and conductors from among the following materials: Plastic scale, rubber, aluminium foil, thermocol.

30. [4]

- (a) What happens when the North Pole of a magnet is placed near the North Pole of another magnet?
(b) Name four different types of magnets.

31. [4]

- (a) How does a torch cell help its bulb to glow?
(b) Why does a bulb get fused? Give reasons.

SECTION-D

32. Answer the following: [5]

- (a) Example of a plant which can reproduce from a bud.
(b) A life characteristic which is essential for the continuity of the species of a living organism.
(c) Example of a plant which can reproduce through cutting.
(d) The process of getting rid of body wastes by living organisms.
(e) An example of a plant responding to stimuli.

33. [5]

- (a) State the composition of air in terms of percentage of its various components.
(b) To show that about one-fifth of air is oxygen and the rest four-fifth is nitrogen.

34. [5]

- (a) How were natural magnets discovered?
(b) Select the non-magnetic material from among the following: Plastic, iron, nickel, fabric, leather, wood.