

**Goa Board  
Class VI Science  
Term 2  
Sample Paper – 5**

**Time: 3 hrs**

**Total Marks: 100**

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**General Instructions:**

1. The question paper consists of 44 questions and is divided into four sections, A, B, C and D
  2. All questions are compulsory.
  3. Section A comprises of question numbers 1 to 20. 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 of question numbers 21 to 30. These are SAQ's carrying two marks each.
  5. Section C comprises of question numbers 31 to 40. These are SAQ's carrying four marks each.
  6. Section D comprises of question numbers 41 to 44. These are SAQ's carrying five marks each.
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**SECTION A**

1. Which one of the following is not a method of disposal of garbage? [1]  
(a) Composting  
(b) Vermicomposting  
(c) Fermentation  
(d) Landfill
2. What happens when it does not rain for a longer time? [1]  
(a) Drought  
(b) Floods  
(c) Epidemic  
(d) Precipitation
3. Which part of the desert plant prepares food? [1]  
(a) Leaves  
(b) Flowers  
(c) Bud  
(d) Stem

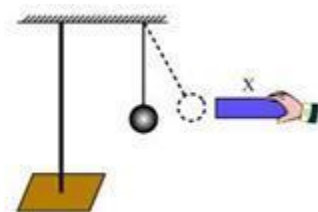
4. Examples of terrestrial habitats are [1]  
(a) Forests  
(b) Grasslands  
(c) Deserts  
(d) All of these
5. Some water in a plate is placed near a window. After some time, the water disappears. This is because the water has turned into [1]  
(a) Dew  
(b) Vapour  
(c) Solution  
(d) Steam
6. What term is used for rotting and conversion of materials into manure? [1]  
(a) Vermicomposting  
(b) Incinerator  
(c) Landfill  
(d) Composting
7. Which of the following methods is used for separating small stones from wheat flour?[1]  
(a) Hand picking  
(b) Threshing  
(c) Sieving  
(d) Winnowing
8. On separating cream from milk, we get [1]  
(a) One non-useful and other useful component  
(b) Both useful components  
(c) One harmful and other useful component  
(d) All the above
9. Your mother stores tap water after it passes through a cloth tied at the mouth of the container. This process of separation is called [1]  
(a) Decantation  
(b) Filtration  
(c) Sedimentation  
(d) Sieving

- 10.** When a solid expands, its volume [1]  
(a) increases  
(b) decreases  
(c) remain same  
(d) first increases and then decreases
- 11.** Group the following as reversible and irreversible changes: [1]  
1. Baking of potato  
2. Making ice-cubes  
3. Frying egg  
4. Bursting balloon  
(a) Reversible change 1, 2, 3  
(b) Irreversible change 1, 3, 4  
(c) Reversible change 1, 3, 4  
(d) Irreversible change 1, 2, 3
- 12.** Which factor enhances burning of wood? [1]  
(a) Presence of Oxygen  
(b) Presence of Nitrogen  
(c) Presence of Carbon dioxide  
(d) Presence of Water vapour
- 13.** Which gas is mainly responsible for global warming? [1]  
(a) Nitrogen  
(b) Oxygen  
(c) Carbon dioxide  
(d) Hydrogen
- 14.** A thin wire that gives off light in a bulb is called the \_\_\_\_\_. [1]  
(a) filament  
(b) conductor  
(c) insulator  
(d) switch
- 15.** Electricity flows in an electric circuit which is [1]  
(a) round  
(b) closed  
(c) open  
(d) square

16. When you flip a switch off, you are \_\_\_\_\_ the circuit. [1]
- (a) Closing
  - (b) Opening
  - (c) Making
  - (d) none of the above

17. Plastic covering on electric wires provides: [1]
- (a) Good looks
  - (b) Color distinction
  - (c) Insulation
  - (d) Good connection

18. The given figure shows a neutral iron ball suspended in the air. When an object labelled as X is brought near the ball, the ball moves towards the object. [1]



It can be concluded from the given observation that the object X is

- (a) a magnet
  - (b) an iron bar
  - (c) a piece of wood
  - (d) an electrically charged rod
19. The compass used to find the direction by the travellers is a \_\_\_\_\_. [1]
- (a) Water gauge
  - (b) Magnetic compass
  - (c) Globe
  - (d) None of the above
20. Choose the incorrect statement from the sentences given below: [1]
- (a) Like poles attract and unlike poles repel each other.
  - (b) Attraction or repulsion depends on the orientation of magnets.
  - (c) Like poles repel and unlike poles attract each other.
  - (d) Attraction or repulsion depends on the shape of the magnets.

**SECTION B**

21. Why does the mountain goat have strong hooves? [2]

22. The glass shown in the image contains cold water. Comment. [2]



23. Suppose a region does not receive rainfall for over a year. How will this affect the soil of that region? [2]

24. What is papier-mâché? Why is it put on baskets? [2]

25. Explain how you will separate different components from a mixture of dry sand and sawdust or powdered dry leaves. [2]

26. Why making of statues out of plaster of Paris is an irreversible change? [2]

27. How will you show that air occupies space? [2]

28. Write any two points of differences between conductors and insulators. [2]

29. Identify the figure shown? What does it signify? [2]



30. Identify and define the device shown in the given figure. [2]



**Section C**

- 31.** How is rainwater harvesting done in open spaces? [4]
- 32.** Discuss any four ways of minimizing generation of plastic waste. [4]
- 33.** Suggest any four ways of conserving water. [4]
- 34.** [4]
- (a) Why does water disappear from wet surfaces after sometime?
  - (b) Through which two processes does water vapour enter the air?
  - (c) What is the basic idea behind rainwater harvesting?
- 35.** The mixture of a powdered white solid P and a liquid Q can be separated by filtration. The solid P is left behind on the filter paper but clear liquid Q passes through the filter paper and collects in the beaker kept below. [4]
- (a) Name one solid which could be like P.
  - (b) Name the liquid which could be Q.
  - (c) What name is given to the solid left on the filter paper?
  - (d) What name is given to the clear liquid collected in the beaker?
- 36.** [4]
- (a) What are slow and fast changes? Give one example of each.
  - (b) Can change of day and night be considered a fast change? Explain.
- 37.** [4]
- (a) How do the following get oxygen to breathe or respire:
    - i. Animals living in soil
    - ii. Plant roots growing in soil
    - iii. Animals living on land
  - (b) What is the role of oxygen in respiration process?
  - (c) Describe an activity to show that soil contains air in it?

38. [4]  
(a) Does the blue car repel or attract the red car? Give reason.



- (b) You are given two similar steel bars one of which is a magnet. What else would you require to test which of the given steel bars is a magnet?
39. [4]  
(a) What is an electric circuit?  
(b) Why are electrical wires covered with plastic coverings?
40. [4]  
(a) When we rub soil or sand with a magnet, we find that some particles of soil or sand remain attached to it. Why does it happen?  
(b) How can you find the North and the South Pole of the magnet?

**SECTION D**

- 41.** [5]
- (a) How is cactus adapted to survive in a desert?
- (b) Identify the habitat based on the major biotic and abiotic factors that are given below:
- Sand, extreme temperature, camel, giant cacti
  - High temperature, heavy rainfall, thick growth of trees and epiphytes, tigers, monkeys
  - Moderate temperature, tall grasses, deer, lion
  - Salt water, red, brown and green algae, sharks, sea turtles
- 42.** [5]
- (a) It is essential to minimize wastage of paper to conserve trees. Discuss any three ways of doing this act.
- (b) How does throwing away of garbage in plastic bags affect stray animals?
- 43.** [5]
- (a) Define evaporation?
- (b) What is the basis of the use of evaporation for separating a mixture?
- (c) How can you separate common salt dissolved in water by the process of evaporation?
- 44.** Perform an experiment to make a magnet out of an iron bar. [5]