



**INDIAN SCHOOL SOHAR**  
**TERM II EXAMINATION (2017-2018)**  
**SCIENCE**

**CLASS: VI**  
**DATE: 04/03/2018**

**MAX. MARKS: 80**  
**TIME: 3 HRS**

**General Instructions:**

- a. The Question paper has 27 questions in all. All questions are compulsory.
- b. Marks are indicated against each question.
- c. Question numbers 1 and 2 carry 1 mark. To be answered in one word or in one sentence.
- d. Question numbers from 3 to 11 carry 2 marks. To be answered in 30 words each.
- e. Question numbers from 12 to 21 carry 3 marks. To be answered in 50 words each.
- f. Question numbers from 22 to 27 carry 5 marks. To be answered in 70 words each.

1. Write the names of any two abiotic components of our habitat. 1
2. Name the two terminals of an electric cell. 1
3. State for each of the following whether it is due to evaporation or condensation: 2
  - a) Drops of water appear on the outer surface of the glass containing cold water.
  - b) Steam rises from curries.
  - c) Dew drops on leaves.
  - d) Steam rising from wet clothes while they are ironed.
4. Identify the type of motion in the following: 2



a



b



c



d

5. An electric bulb is connected to a cell through a switch. When the switch is brought in 'ON' position, the bulb does not glow. What could be the possible reason/s for it? Mention any two of them. 2
6. a) Using a pinhole camera a student observes the image of two of his friends, standing in 2  
 Sunlight, wearing yellow and red shirt respectively.  
 What will be the colours of the shirts in the image?

b) A flower made of thick coloured paper has been pasted on the transparent glass sheet.

What will be the shape and colour of shadow seen on the screen?

7. Give one word for the following statements. 2
- a) The process of producing young ones of their own kind by living things.
  - b) The process of removal of waste products from the body.
  - c) The process of releasing energy by breaking down food.
  - d) Changes in the surroundings that make us respond.
8. a) What is a magnetic compass? 2
- b) Why do sailors use the magnetic compass?
9. Differentiate between climbers and creepers. (1 point) Also give example of both. 2
10. Tina kept some water in a beaker for heating. She observed that tiny bubbles appeared before the water started to boil. She boiled the water for about 5 minutes and filled it in a bottle up to the brim and kept the bottle air tight till it cooled down to room temperature. 2
- a) Why did the tiny bubbles appear?
- b) Do you think tiny bubbles will appear on heating the water taken out from the bottle?
- Justify your answer.
11. Provide the suitable term that expresses the meaning of each of the following statements. 2
- a) Greeting cards made from newspaper.
  - b) All the used or unusable substances which cannot be reused in the same form.
  - c) Worms converting certain kinds of waste into manure.
  - d) An area where a lot of garbage is collected, spread out and covered with soil.
12. Differentiate between living things and non-living things. (3 points) 3
13. Draw a neat diagram of a plant and label the following parts: 3
- a) Root                      b) Stem                      c) Leaf                      d) Flower
14. Define the following: 3
- a) Acclimatisation              b) Habitat                      c) Biotic component

15. Write any three conditions required for the formation of shadow. 3

OR

Define transparent, translucent and opaque objects with one example each

16. Read the passage carefully and answer the questions that follow: 3

In India, most of the rainfall takes place in monsoon season. Sometimes, it rains heavily and causes floods. Most of this rainwater flows into the sea. Government of India has constructed big dams to harvest excess water in rivers and then use it for irrigation and drinking purposes.

Groundwater is recharged by rainwater. The process of recharge of ground water by rainwater is called rainwater harvesting. Traditionally, water reservoirs were made to recharge the groundwater.

Now the government is insisting on making rainwater harvest systems in new building for same purpose. Modern methods of irrigation such as drip irrigation, sprinkler systems etc. save a lot of water.

- a) Why are dams constructed across rivers?
- b) What is rainwater harvesting?
- c) Name the irrigation methods used to save water.

17. a) Why do mountaineers carry oxygen cylinders with them? 3

b) State the composition of air in terms of percentage of its various components.

18. a) Select the non-magnetic material from the following: 3

Plastic, Iron, Nickel, Rubber, Wood, leather.

b) What happens when North Pole of one magnet is placed near the north pole of another magnet?

19. a) Differentiate between conductors and insulators. Also write one example of each. 3

b) What is a filament?

20. Why are plastics harmful? (3 points) 3

21. a) Give reason: 3

- i. Distance cannot be measured with elastic tape.
- ii. Footstep cannot be used as standard unit of length.

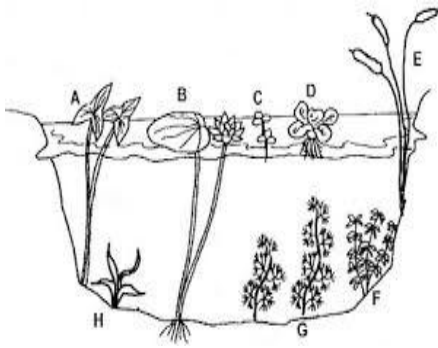
b) Express 3250 m in Km

22. a) How bar magnets are stored? 5

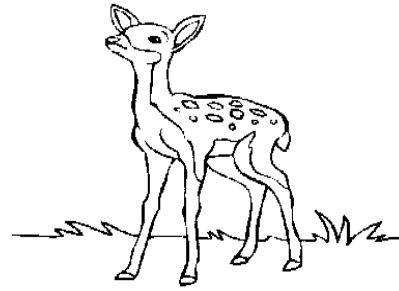
b) Write any two properties of magnets.

23. i) Identify the habitat of the following organisms a and b 5

ii) Write any two adaptive features for each of them.



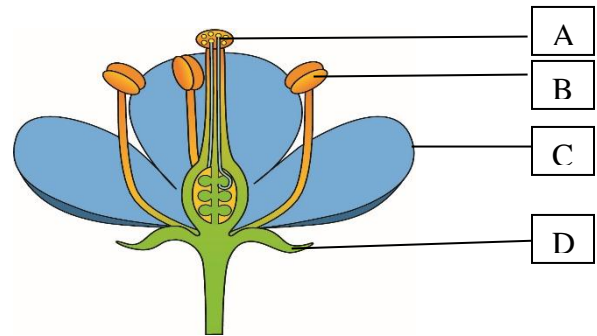
a



b

24. Observe the diagram showing the section of a flower and answer the following questions. 5

- Label the parts A,B,C,D
- Name the male part of the flower.
- Name the female part of the flower.
- Name the part of the flower that develops into fruit
- Name the part of the flower that develops into seeds
- What is the function of the sepal?



25. a) While playing hide and seek why do you hide behind a wall and not a glass door? 5

- Differentiate between the image formed in a pin hole camera and the shadow of an object.(2points)
- What happens to the size of the shadow when distance between object and the source is increased?
- What is reflection?

26. Draw a neat labeled diagram of a water cycle. 5

27. What can we done to minimize a) overuse of plastics (2 points) b) deal with garbage (3 points) 5

Or

- Define landfills and composting.
- Do you think it is better to use compost instead of chemical fertilizers? Why?

\*\*\*\*\*The End\*\*\*\*\*