

**SYLLABUS : WATER, ORGANISMS AND SURROUNDINGS MAGNETS AND ELECTRICITY AND CIRCUITS****GENERAL INSTRUCTIONS : Draw Diagrams with Pencils.**

- All questions are compulsory. **Maximum Marks are 60.**

**1. Define the following terms:**

- (a) acclimation                      (b) camouflage                      (c) drought                      (d) irrigation  
(e) temporary compass              (f) magnetite

**2. Match the column:**

## Column 1

- (i) Scratch marks on trees  
(ii) Eyes are placed on sides of head  
(iii) Strength of magnet  
(iv) Father of medicine  
(v) Half of forest cover  
(vi) Water suitable for drinking  
(viii) Winter sleep of some animals  
(ix) Electricity  
(x) Dry cell

## Column 2

- Transpiration  
Hippocrates  
tigers  
herbivores  
iron  
storing it along keeper  
48% of earths land surface  
potable water  
amber

**3. Fill in the blanks:**

- (a) Nocturnal animals are found in the \_\_\_\_\_.  
(b) Resources that can be replenished are called \_\_\_\_\_.  
(c) Electricity will not follow in a \_\_\_\_\_ circuit.  
(d) Cacti carry out photosynthesis in their \_\_\_\_\_.  
(e) A permanent magnet can be demagnetised by \_\_\_\_\_ or \_\_\_\_\_.  
(f) The coming down of water in the form of rain, hail, snow is called \_\_\_\_\_.  
(g) The first magnetic material to be discovered was named \_\_\_\_\_.  
(h) Condition caused by excessive rain in a region is called \_\_\_\_\_.  
(i) Soil, water, air are \_\_\_\_\_ components of a habitat.  
(j) \_\_\_\_\_ a device that closes or opens a circuit.

**4. Very short answer type questions**

- (a) Write four uses of water.
- (b) What is the main purpose of rain water harvesting?
- (c) Name an instrument which is used to find direction.
- (d) Name two magnetic materials other than iron and steel.
- (e) Which gases are exchanged in our lungs?
- (f) Name the breathing organ of the tadpole?
- (g) Name two aquatic plants which float on the surface of water?
- (h) What is the main function of roots in aquatic plants?
- (i) Why are metal wires used to carry electricity?
- (j) Which part of the bulb glows when it is connected to a source of electricity?

**5. Short answer type questions**

- (a) Write any four ways of conserving water?
- (b) Pines grows in the mountains. What features make their survival at such heights possible?
- (c) How are clouds formed?
- (d) What will happen if bar magnet is cut into half?
- (e) When a bulb is said to be fused? Why?
- (f) Explain why many mountains trees are one shaped having sloping branches?
- (g) Magnets are used in maglev trains why?
- (h) Give function of electric switch?

**6. Long question Answers**

- (a) What is rain water harvesting? Write two ways of rain water harvesting?
- (b) Describe water cycle with the help of illustration?
- (c) List few uses of electricity. Write short note on electric cell?
- (d) How are magnets stored? Explain.
- (e) Differentiate between conductors and insulators using examples. What is the direction of the electric current in an electric circuit?
- (f) List various shapes of magnets that you can find?
- (g) What is habitat? What are the different types of habitats?
- (h) Describe the various characteristics of living things? Why it is difficult growing in a desert?