

## Sample Paper

Class - VI

Subject: Science

Max Marks: 80

Time: 3 Hours

### GENERAL INSTRUCTIONS:

- Read the instructions carefully
- All the questions are compulsory.
- Question number 1 to 5 carries 1 mark each.
- Question number 6 is carries 2 marks each.
- Question number 7 carries 5 marks each.

### 1.) State whether the following statements are True or False: -

Marks: 5.0

- A. Terrestrial animals use dissolved air in water for respiration.
- B. Air comprises of water vapour and oxygen only.
- C. The forearm has two bones while there is one bone between shoulder and elbow.
- D. Wheat alone is not sufficient to meet the nutritional requirements of the body.
- E. The electric cell converts the chemical energy into electrical energy.

### 2.) Fill in the blanks with appropriate answers: -

Marks: 5.0

1. Green plants use ..... for respiration.
2. The earthworm posses .....to hold grip on the ground during movement.
3. A tough, elastic, fibrous connective tissue found in outer ear and larynx is .....
4. .... are materials that allow electricity to pass through them.
5. The process of arranging two sets of yarns together to make a fabric is called .....

### 3.) Multiple Choice Questions (There can be more than one answer right):

Marks: 5.0

- A. The gas present in least amount in atmosphere is
  - a. Nitrogen
  - b. Oxygen
  - c. Sulphur
  - d. Carbon dioxide
  
- B. What makes bones so strong?
  - a. Silica
  - b. Cartilage
  - c. Blood and marrow
  - d. Calcium and phosphorous
  
- C. What is not matched properly?
  - a. Folding of paper - Reversible change
  - b. Germination of seeds - Reversible change
  - c. Burning of crackers - Irreversible change
  - d. Souring of milk - Irreversible change
  
- D. Function of Vitamins is
  - a. To help the body in growth and repair.
  - b. To help the body to fight against diseases.
  - c. To help in the body to get rid of waste products.
  - d. To provide energy to the body.
  
- E. The thin wire that gives off light is called the ..... of the bulb.
  - a. Terminal
  - b. Base
  - c. Filament
  - d. Metal disc

4.) Match the items given in two columns: -

Marks: 20

A

Column A	Column B
vermicomposting	Plastic
Pistil	Starch
Photosynthesis	Creeper
Water melon	Redworms
Non- biodegradable	Ovules

B

Column A	Column B
Mirror	Translucent
Non standard unit of length	Meter
Tracing paper	Motion
SI Unit of length	Handspan
Change in position	Reflect

C

Column A	Column B
Oil and water	Lustrous
Gold	Blowholes
Whales	Mountain habitat
Needle shaped leaves	Decomposers
Bacteria	Immiscible liquid

D.

Column A	Column B
Heavy rainfall	Decreasing crop yield
Fixed joints	Drip irrigation
Wind mill	Skull
Water conservation	Electricity generation
Drought	Water logging

### 5.) Very Short Answer Questions:

Marks: 5.0

- A. Give an example of pivotal and hinge joint in the human body.
- B. Define transpiration
- C. What is acclimatization?
- D. In which direction a freely suspended magnet aligns itself?
- E. List the ingredients needed for photosynthesis

### 6.) Short Answer Questions:

Marks: 20.0

- A. Enumerate the functions of a leaf.
- B. How the muscles work in pair to produce movements?
- C. What are the components of biotic and abiotic habitat?
- D. How is rainfall related to (a) Drought and (b) floods
- E. Why mountain climbers carry oxygen cylinders with them?
- F. How is a cactus adapted to survive in a desert?
- G. What is electric circuit? What are its types explain with diagrams.
- H. Enlist the characteristics of a shadow.
- I. Find out harmful effects of eating only Junk food like potato chips, pizzas, burgers etc.
- J. Mention types of roots and types of venation and find their correlation.

### 7.) Long Answer Questions: -

Marks: 20.0

- A.
  - i. What is meant by the term stimulus and response?
  - ii. Prove that, milk you drink contains proteins with the help an activity.
- B. Explain the reason why
  - a. One should not touch a running electrical appliance with wet hands.
  - b. An electrical wire with frayed plastic wrapping should be discarded and replaced?
  - c. People working with electricity wear rubber gloves?
  - d. Silver is not used in wire even it is excellent conductor?
  - e. Why does a fused bulb not glow on passing electric current?
- C. What are the compositions of air? Write uses of different gases present in air.
- D. What is rectilinear propagation of light? Explain with the help of an activity.