

Class: VI

Subject: Science (Sample Paper)

TERM II

Maximum marks: 90

I. Choose the correct option.

(1x12=12)

1. Which of the following is not a fundamental unit?
 - a) Metre.
 - b) Cubic metre.
 - c) Kilogram.
 - d) Inches.

2. Which mode of transport was used before 19th century?
 - a) By air.
 - b) By water.
 - c) By Animals.
 - d) None of these.

3. What is the standard unit (SI) of time?
 - a) Metre (m).
 - b) Second(s).
 - c) Kilogram (kg).
 - d) Inches.

4. Excess of rain may leads to _____.
 - a) Drought.
 - b) Transpiration.
 - c) Floods.
 - d) Condensation.

5. The body which emits light by itself is called as _____.
 - a) Non luminous body.
 - b) Shadow.
 - c) Opaque.
 - d) Luminous body.

6. How many terminals do an electrical cell has?
 - a) Six.
 - b) Four.
 - c) Zero.
 - d) Two.

7. Name the process by which pure water can be obtained from salt water?
 - a) Distillation
 - b) Decantation.

- c) Sedimentation.
d) Filtration.
8. The magnets, which keep their magnetism for a longer time, are called as _____.
- a) Natural magnets.
b) Artificial magnets.
c) Permanent magnets.
d) Bar magnets.
9. What is the type of image formed in a mirror?
- a) Image is shorter than us.
b) Image is taller than us.
c) Image is of same size.
d) None of these.
10. How many magnetic poles does a magnet have?
- a) Three.
b) Four.
c) Two.
d) Zero.
11. What is the air around the earth surface is called as?
- a) Troposphere.
b) Biosphere.
c) Atmosphere.
d) All of these.
12. Which energy gets converted in an electrical bell?
- a) Mechanical energy into sound energy.
b) Sound energy into electrical energy.
c) Magnetic energy into sound energy.
d) Electrical energy into magnetic energy.

II. Give one word answers for the following.

(1x12=12)

1. Name the scientist who discovered MKS system of units?
2. Which is the first city where natural magnet was found?
3. Name the process in which the water drops appear on the outer surface of glass with coldwater.
4. What is the composition of oxygen gas present in air?
5. Which type of motion is used to describe the movement of a butterfly?
6. What are the plastic bags, bottles, tins and cans are called as?
7. What is the composition of water in a human body?
8. Name the gas used by plants for photosynthesis?
9. Name the solid that is soluble in water?
10. How many millimeters are there in a metre?
11. Which device is used to break an electric circuit?
12. What happens if North Pole and South Pole of a magnet are brought near to each other?

III. Give reason for the following. (2x6=12)

1. Why is the image formed in pinhole camera is inverted?
2. Why is paper considered as a non magnetic substance?
3. Why should we not throw the plastics bags on roads?
4. Why does the sky appear blue?
5. Why only opaque objects cast shadow?
6. Why an electrician uses a rubber gloves for repairing an electrical devices?

IV. Answer the following questions. (2x6=12)

1. What is circular motion?
2. What are luminous bodies?
3. What is an electric cell?
4. What are magnetic substances or materials? Explain with examples?
5. How are clouds formed?
6. Which gas is essential for burning and breathing?

V. Answer the following questions. (3x9=27)

1. Name the inventions of 20th century in the field of transport?
2. What is the purpose of using an electric switch?
3. What is compass and how it is used to locate or to find the directions?
4. What are the important properties of air?
5. What are non biodegradable wastes?
6. How the earth worms helps in increasing the fertility of the soil?
7. What are reflections?
8. Express the distance into kilometer, when the distance between Rahul's home and his school is 5680m?
9. Explain the principal behind the working of a pinhole camera?

VI. Answer the following questions. (3x5=15)

1. Explain the process of water cycle with a labeled diagram?
2. Prove with an experiment that exhaled air contains carbon dioxide?
3. What are the five layers of an atmosphere? Explain about the layer in which we all live?
4. What is a shadow? How are they formed and explain the different types of shadows?
5. Listed below are few house hold materials? Mention the approximate time required for these materials to decompose?
 - i. Vegetables and fruit.
 - ii. Paper and cotton.
 - iii. Polythene bags and other plastic bottles.