

I SUMMATIVE ASSESSMENT

2017-2018

SUBJECT: - SCIENCE

STD: - VIII

TIME:-

DATE: -

MARKS: - 50

Q.1.A] Fill in the blanks

(4)

1. _____ was India's first artificial satellite.
2. The rusting of iron is a _____ reaction.
3. Isotopes of uranium are used as _____ in atomic reactors.
4. The image formed in plane mirror is _____ inverted.

B] State whether the following statements are true or false.

(2)

1. Algae are found in dry and damp, places.
2. There is magnetic repulsion between unlike poles.
3. Light is only reflected through rough surface.
4. Ions are formed by the give and take of electrons.

C] Match the following: -

(2)

Group A

Group B

- | | |
|------------------------|---------------------------|
| 1. Valency of nitrogen | a. Electrons |
| 2. J.J Thomson | b. Three |
| 3. Chloromycetin | c. Combinig with hydrogen |
| 4. Reduction | d. Typhoid germs |
| | e. 4. |

D] Name the following. (Any four)

(4)

1. Smallest indivisible particle of matter.

2. Period taken by earth to complete one rotation around the sun.
3. Number of electrons present in second shell of an atom.
4. Types of chemical reaction.
5. Bacteria found in the nodules of the roots of leguminous plants.

E] Complete the analogy (2)

1. Isotopes of cobalt: treatment of cancer:: _____ : treatment of goiter.
2. Useful bacteria: Azetobacte :: _____ : Harmful

Q.2A] Answer in one sentence (Any four) (4)

1. What is meant by valency?
2. What is the function of vacuoles?
3. On what factors does the speed of chemical reaction depends?
4. How many chromosomes are there in nucleus of the human cell?
5. What is the function of neutrons in the nucleus?

B] Answer the following in two or three sentences. (Any four) (8)

1. State the characteristic of the image formed in a plane mirror.
2. What is the function of cell membrane?
3. What is a catalyst? Give two examples.
4. State the laws of reflection.
5. Is the structure of the atom the same as the structure of the solar system?

C] Give scientific reasons (Any four) (8)

1. All the mass of an atom is concentrated at center.
2. The process of photosynthesis is called as an endothermic reaction
3. Mitochondria are called the power house of the cell
4. The image formed in water is of the same size of an object.
5. Euglena is said to belong to both animal as well as plant kingdom.

Q.3A] Write short notes on :- (Any two) (8)

1. Types of micro-organism and its uses.
2. Antibiotics
3. Isotopes

B] Distinguish between (Any two) (4)

1. Combination reaction and decomposition reaction
2. Models of the atom proposed by Rutherford and by Thomson.
3. Regular and irregular reflection.

Q.4A] Identify the type of reaction. Write the chemical equation. (4)

1. Adding ammonium chloride to water.
2. Dilute hydrochloric acid reacts with zinc.

OR

B] 1. Chlorine atom contains 17 protons and 18 neutrons. Give its atomic number and atomic mass number.

2. The valency of Aluminum is 3 and chlorine is 1 write the molecular formula for the given compound.