

8th Standard First Summative Assessment - Sep/Oct - 2019

Time : 1.30 hrs.

Subject - SCIENCE

Marks : 40

I. Answer the following questions choosing the appropriate choices given below.

6x1=6

- Which one of the following is a nonrenewable resources.
(a) Forest (b) Air (c) Soil (d) Diesel
- A kingdom containing saprophytes is
(a) Monera (b) Mycota (c) Plantac (d) Animalia
- Organelle called as powerhouse of the cell
(a) Mitochondria (b) Lysosomes (c) Nucleus (d) Vacuole
- Neutrally charged fundamental partical of an atom.
(a) Proton (b) Neutron (c) Hydrogen (d) Electron
- Complete the following Food Chain.
Grass → Grass hoppers → → Snake → Eagle
- Gram atomic mass of a substance contain _____ atoms.
(a) 6.023×10^{23} (b) 60.23×10^{23} (c) 6023×10^{23} (d) 6.023×10^{32}

II. Answer the following questions.

4x1=4

- Define Acceleration?
- What is Chemical Combination?
- State law of conservation of Energy.
- Give an example for Newton's third law of motion.

III. Answer the following questions.

10x2=20

- Write any two equations of Motion.
- A body does 40J. of work in 5 seconds. What is its power?
- Write down the properties of Cathode rays.
- What are genes? State their importance.
- Draw a typical diagram of Euglena & label the parts.
- Write any two uses of Chlorine (cl) in our dialy life.
- $Mg + O_2 \rightarrow$ complete and balance the chemical equation and name the type of chemical equation.
- Calculate the force required to change the velocity of a object of mass 8kg from $4ms^{-1}$ to $8ms^{-1}$ in one second.
- Write the binomial Nomenclature of the following.
(a) Human being (b) Mango tree
- Write down the five kingdoms of life According to Modern classification.

IV. Answer the following questions.

2x3=6

- What is Redox reaction? Explain with an example.
- Write down the disease causing microbes and mode of transmission for the following.
(a) Malaria (b) Cholera (c) Influenza

23. Draw a Neat and labelled diagram of plant cell.

4x1=4