

MAR THOMA RESIDENTIAL SCHOOL, THIRUVALLA  
THIRD TERMINAL EXAMINATION  
GENERAL SCIENCE.

Time 1½ hrs  
Marks 80

I. Fill in the blanks.

1. \_\_\_\_\_ is the amount of water vapour in the air.
2. The \_\_\_\_\_ protects the brain from danger.
3. A solid can be changed to a liquid by \_\_\_\_\_ .
4. \_\_\_\_\_ is an alternative energy source.
5. Cover crop helps in maintaining the \_\_\_\_\_ of the soil.
6. Pulley changes the direction of \_\_\_\_\_ being applied..
7. \_\_\_\_\_ is the cold layer of atmosphere.
8. \_\_\_\_\_ is an element.
9. \_\_\_\_\_ is used to remove soluble substances from water.
10. \_\_\_\_\_ is a precious stone.

(10)

II. Differentiate between

1. Physical change and chemical change.
2. Miscible and immiscible liquids.
3. Solids, liquids and gases.
4. Sensory nerves and motor nerves

(8)

III. Give reasons for the following

1. Water is called a universal solvent.
2. Mountaineers carry oxygen cylinders.
3. Carbon dioxide dissolved in water is good for aquatic plants.
4. It is important to conserve natural resources.
5. Soil is very important for life
6. Pumice can float on water

(12)

V. Give one word for the following.

1. A wall built to prevent floods.
2. The action controlled by the spinal cord.
3. The sensory nerve that joins the eyes to the brain.
4. The largest sense organ.
5. Growing trees along the edges of farmland to prevent soil erosion.

(5)

V. Match the following.

1. Compound
2. Mixture
3. Atoms
4. Elements
5. Molecule

Made up of only one kind of atom.  
Smallest unit of a substance  
Carbon dioxide.  
Air  
Building blocks of matter.

VI. Define the following

1. Volume
2. Density
3. Solution
4. Compound
5. Energy

VII. Answer the following.

1. What is soil conservation?
2. What is the use of an inclined plane?
3. When is work done?
4. What is Archimedes principle?
5. What are the advantages of terrace farming?
6. Explain the three types of levers with the help of labelled diagrams.
7. Write the main parts of an ear. Explain what happens when sound falls on eardrum.
8. Write short notes on  
1. Igneous rocks 2. Magma 3. Minerals
9. How is coal formed?
10. What is the importance of ozone layer in the atmosphere?
11. What are the minerals present in granite?
12. What is sedimentation?
13. How is man responsible for soil erosion?
14. Describe filtration with the help of a neat labelled diagram.