

**DEVAMATHA CMI PUBLIC SCHOOL**  
**HALF YEARLY EXAMINATION 2017-2018**  
**SCIENCE**

Time : 3 h.  
 Marks : 80

**Std. VI**

- I Choose the correct answer from the options given below : (1x10=10)
1. Sugar and Starch are types of  
 [ a) Fats b) Proteins c) Carbohydrates d) Vitamins ]
  2. A saturated solution can be made unsaturated by  
 [ a) decreasing the temperature b) Stirring for a long time  
 c) increasing the temperature d) adding more solute ]
  3. Rahul has bleeding in his gums, he could be suffering from .  
 [ a) Beriberi b) Scurvy c) Rickets d) Anaemia ]
  4. Salt and water can be separated by  
 [ a) filtration b) evaporation c) decantation d) condensation ]
  5. Water is an excellent  
 [ a) Residue b) Solute c) Solvent d) Solution ]
  6. The best soil to cultivate cotton is  
 [ a) sandy soil b) Black soil c) Red soil d) Clayey soil ]
  7. Metals expand on  
 [ a) heating b) cooling c) freezing d) folding ]
  8. Oiled paper and butter paper are the examples of  
 [ a) transparent objects b) lustrous objects c) translucent objects d) denser objects ]
  9. Transpiration in plants takes place through  
 [ a) Leaves b) Roots c) Sepals d) Stigma ]
  10. The joint which allows movement in all the directions is called  
 [ a) Pivotal joint b) Hinge joint c) Gliding joint d) Ball and Socket joint ]
- II Fill in the blanks : (1x6=6)
1. \_\_\_\_\_ solution is used to test the presence of sugar in a food stuff.
  2. No new substances are formed during a \_\_\_\_\_ change.
  3. \_\_\_\_\_ is the disease caused by the deficiency of Iron.
  4. Stem, fruit, flower of \_\_\_\_\_ plant is edible.
  5. In plants, leaves are green because they have a green pigment called \_\_\_\_\_.
  6. A combination of bones and cartilages forms the \_\_\_\_\_ of the body.
- III Name the following : (1x5=5)
1. Two gases that dissolve in water.
  2. Two animals with streamlined body.
  3. Two states in India where jute is cultivated.
  4. Two minerals needed for our body.
  5. Two liquids which float on water.

- IV Answer the following questions in two or three sentences each : (2x8=16)
1. What are the functions of Skeleton ?
  2. What are Deficiency Diseases ? Name any two deficiency diseases and write their symptoms.
  3. What are the functions of roots ?
  4. What are the edible and non-edible parts of a plant ?
  5. Mention the difference between Natural Fibres and Synthetic Fibres. Give examples.
  6. When do we say that two liquids are immiscible ? Explain with suitable example.
  7. Explain the process of sieving ?
  8. Why melting of butter is said to be a physical and reversible change ?
- V Give scientific reasons for the following statements : (2x5=10)
1. Stem has a two way transport mechanism Justify.
  2. The upper part of the human ear is harder as compared to the ear lobe.
  3. A leaf covered with black paper does not show positive test with Iodine.
  4. People prefer to use opaque glass as window pane.
  5. Dietary fibre is difficult to digest yet it is advisable to include it in our diet.
- VI Answer the following questions in three or four sentences each : (3x6=18)
1. Explain two types of leaf venation with examples. Does venation and type of root present in plant have any relation ?
  2. What special features of a bird's body enable it to fly ?
  3. With the help of examples, classify animals based on their feeding habits.
  4. a) Tabulate the differences between ginning and spinning.  
b) Explain how jute fibres are obtained from jute plant.
  5. Define the following terms :  
a) Photosynthesis  
b) Pollination
  6. a) We prepare a solution of sugar in water. Name the solute and solvent in this solution.  
b) What is filtration ? How is it useful in our daily life ?
- VII Answer the following questions in detail : (5x3=15)
1. With the help of a neat labelled diagram explain the parts of a typical flower.
  2. a) What is a joint ?  
b) Explain various kinds of joints found in our body and give example of each .
  3. a) Differentiate between Reversible and Irreversible changes with examples.  
b) While sprinkling water, a bag of cement got wet. Next day it was kept outside in the sunlight. Can the change in cement be reversed. Why ?  
c) Define Chemical change with an example.