General Instructions:
1. This question paper consists of 10 questions. Each question carries 1 mark.
2. Put (√) against the correct option.

Tick (√) the correct option: (1 x 10 = 10)

1. Which of these provide energy?
   (a) Fat
   (b) Vitamin C
   (c) Carbohydrate
   (d) Protein

2. The colour of Copper Sulphate Crystals is:
   (a) Red
   (b) White
   (c) Blue
   (d) Grey

3. A separating funnel can be used to separate:
   (a) Immiscible liquid
   (b) Miscible liquid
   (c) Threshing
   (d) Winnowing

4. The uppermost part of the pistil is called the:
   (a) Ovule
   (b) Style
   (c) Ovary
   (d) Anther

5. The dark patch behind an opaque object is called the:
   (a) Shadow
   (b) Mirror
   (c) Periscope
   (d) Camera

6. To and fro movement is called the:
   (a) periodic motion
   (b) random motion
   (c) oscillatory motion
   (d) rectilinear motion

P.T.O.
7. The process of settling down of particles of liquid is called:
   (a) decantation  (b) sublimation
   (c) sedimentation (d) filtration

8. Roughage helps in:
   (a) retention of water  (b) provides energy
   (c) regular bowel movement (d) digestion of food

9. Which of the following food items is not obtained from plants?
   (a) Honey  (b) Sugar
   (c) Mushroom (d) Milk

10. The two seeds which are most commonly used for sprouting are:
    (a) Mustard and sunflower  (b) Channa and mustard
    (c) Sunflower and moong  (d) Moong and channa
SUMMATIVE ASSESSMENT-I, 2012–2013

SCIENCE

Time Allowed: 2 hrs. 45 min.  CLASS–VI  M.M. : 70

Roll No. ........................................... Class and Section.................................

Name ...................................................................................................................

Invigilator's Signature.................................................................Date...........................

Marks Obtained ............................................................................................Checker's Sig.

General Instructions:
1. Marks for each question are indicated against it.
2. Attempt all questions in proper sequence.
3. Draw neat diagram.

1. Do the following conversions:  
   (i) 20 m = .................... cm  
   (ii) 20 m = .................... mm

2. Give two functions of roots:
   1. .................................................................
   2. .................................................................

3. What happens when:
   (i) the zero mark of scale is not clearly visible to take the measurement?  

   (ii) light falls on the mirror.

4. In which units will you measure the following:
   (a) The length of pencil .................................................................
   (b) The distance between Lucknow and Delhi ........................................

P.T.O.
5. Name the two processes that take place in leaf.  
6. Separate the materials given according to their properties in the given column:  

<table>
<thead>
<tr>
<th>Transparent</th>
<th>Translucent</th>
<th>Opaque</th>
<th>Luminous</th>
<th>Which cast a shadow</th>
</tr>
</thead>
</table>

Sheet of writing paper, glass, Human body, Star, Paper smeared with oil, Frosted Glass.

7. Give one word for the following:  

(1) The reproduction part of a plant ..........................................

(2) The functional unit found inside the ovary ..................................

(3) The decorative and most prominent part of flower ..........................

(4) The green leaf like protective covering found over the petals in a bud stage .......................................................... 

(5) The male reproductive organ in a flower ..................................

(6) Fruit is a ripened .........................................................

8. List three conditions required for a shadow to be formed.  

1. ..........................................................................................

2. ..........................................................................................

3. ..........................................................................................
9. Find the answers to the following statements in the grid given below circle them and write them in the spaces provided.

<table>
<thead>
<tr>
<th>D</th>
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<th>H</th>
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<th>S</th>
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<td>A</td>
<td>S</td>
</tr>
</tbody>
</table>

(1) Plants with green, tender stems are called ........................................... .

(2) ........................................... have hard but not very thick stems and branches emerge from near the base.

(3) Very tall plants with thick and hard stems, and branches high above the base, are called ........................................... .

(4) A stem's function is to ........................................... water and minerals from root to the leaves.

(5) ........................................... cannot stand upright and hence spread on the ground.

(6) A ........................................... needs the support of neighbouring plants or structures to climb up.

10. Give reasons for the following:

(1) We cannot see the flame of a candle through a bent pipe ........................................... .

(2) The sun is a luminous object ..................................................................................

(3) Shadows are dark .................................................................................................

(4) We cannot see objects in a dark room ..................................................................

(5) A pace or a footprint cannot be used as a standard unit of length ......................

(3) bent
11. (a) For each of the below, guess Who I am!
   (1) I am a joint which moves in all directions.
   (2) I always like to work in pairs.
   (3) I join the neck and the head.

(b) There is a need for standard units of measurements. Give reasons.
   (2)

12. (a) On what basis can you group the following materials?
   (1) Wood piece
   (2) Paper
   (3) Mustard Oil
   (4) Gold
   (5) Tin
   (2\frac{1}{2})

(b)

(1) Identify this part of a skeleton
(2) Label the parts (a) and (b)
(3) Name the organ enclosed in this
   (a)
   (b)
13. (a) Give reasons for the following:

(1) Fish have streamlined shaped body

(2) Snail walks slowly with great difficulty

(3) Elbow cannot move backwards

(4) Birds can fly easily

(5) Backbone is not made up of a single bone

14. (a) Match the items under Column-I and Column-II:

<table>
<thead>
<tr>
<th>Column-I</th>
<th>Column-II</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a) Tumbler</td>
<td>(i) Floats on water</td>
</tr>
<tr>
<td>(b) Sugar</td>
<td>(ii) Magnetic</td>
</tr>
<tr>
<td>(c) Wax</td>
<td>(iii) Insoluble in water</td>
</tr>
<tr>
<td>(d) Iron Nails</td>
<td>(iv) Soluble in water</td>
</tr>
<tr>
<td>(e) Chalk Powder</td>
<td>(v) Transparent</td>
</tr>
</tbody>
</table>

(b) Sunny has mixed up some important terms that the leaf was explaining to him about itself help him to understand what the leaf talking.

I am a leaf with

The broad green part of me is called

This thick central vein is called

These are called my

The base which connects me to the stem is called

(5)
15. Give examples each of the food items that come from the following sources: (5)
1. Roots
2. Leaf
3. Seed
4. Stem
5. Flower

16. State whether the following statements are true or false. If false, write the correct statement in the space provided. (5)
(1) All bones are connected to each other through cartilages
(2) Wings help in swimming
(3) Husk can be separated from pebbles by filtration
(4) Parallel venation is present in a tap root system
(5) The stamens protects floral parts in the bud stage

17. Complete the following information for Vicky to become healthy. (5)

I am Vicky. I want to be healthy and strong. For strong and teeth, I must eat food rich in . In order to fight diseases, I must eat fruits and vegetables which are rich sources of and . I need to eat rich foods for the growth and repair of my body. For this I must drink and eat . If my diet is deficient in and for a long time, my growth may stop completely. To avoid these deficiencies, I must eat a diet.
18. Identify the type of motion in the following cases and give reason for the same in the spaces provided. (5)

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Examples</th>
<th>Type of Motion</th>
<th>Reason</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Sprinters in 100 m race</td>
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<tr>
<td>2.</td>
<td>Motion of a pendulum of a clock</td>
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<tr>
<td>3.</td>
<td>Motion of a child on a swing</td>
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<tr>
<td>4.</td>
<td>The rolling of ball on the ground</td>
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<td></td>
</tr>
<tr>
<td>5.</td>
<td>Falling of a stone</td>
<td></td>
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</tbody>
</table>

19. Describe an activity with the help of a diagram to separate a mixture of an insoluble solid and water. Name the method of separation used. (5)