PART A

I. Choose the correct answer: (\( \frac{1}{2} \times 8 = 4 \))

1. The energy that comes from the splitting of an atom
   a) Atomic energy   b) Solar energy   c) Magnetic energy

2. Milk teeth begin to fall at the age of
   a) 2   b) 6   c) 11

3. The female part of a flower
   a) Calyx   b) corolla   c) carpel

4. Tooth decay causes
   a) Hunger   b) Bad breath   c) Itching

5. Gravity is a type of
   a) Force   b) Work   c) Energy

6. People who rear bees
   a) Apiarist   b) Florist   c) Dentist
b) Which of these has a taproot?
   a) Grass       b) Wheat       c) Mustard

c) The number of cracking teeth in each jaw
   a) Four       b) Six        c) Eight

II. **Fill in the blanks:**
   \( \frac{1}{2} \times 8 = 4 \)

1. Human beings have ________________ sets of teeth.

2. The banyan tree has ________________ roots to provide additional support.

3. Tooth decay is caused by ____________________________

4. The taste identified by back portion of tongue is ____________________________

5. When ripe, the ____________________________ has a sticky surface.

6. In an iron, electrical energy is converted into ____________________________ energy.

7. In a village, ____________________________ looks after the plants.

8. The part of the tooth which is not visible to us is ____________________________

III. **Write True or False:**
   \( \frac{1}{2} \times 6 = 3 \)

1. Deforestation leads to soil erosion.

2. Canines are a set of eight teeth.

3. Work is done when you push a mountain.

4. The shoot absorbs water and minerals from soil.

5. Machines make the work easier.

6. We should brush our teeth twice a day.
IV. Name the following:  \( \frac{1}{2} \times 6 = 3 \)

1. The brightly coloured ring of a flower.

2. The disease that attacks teeth.

3. The best soil for growing plants.

4. A force that stops moving objects.

5. Planting trees on a large scale.

6. Plants use this energy to prepare food.

V. Match the following:  \( \frac{1}{2} \times 6 = 3 \)

<table>
<thead>
<tr>
<th></th>
<th>Calyx</th>
<th>Sour</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Tongue</td>
<td>Energy</td>
</tr>
<tr>
<td>3</td>
<td>Coal</td>
<td>Push</td>
</tr>
<tr>
<td>4</td>
<td>Root</td>
<td>Eggs</td>
</tr>
<tr>
<td>5</td>
<td>Ovary</td>
<td>Sepals</td>
</tr>
<tr>
<td>6</td>
<td>Force</td>
<td>Minerals</td>
</tr>
</tbody>
</table>

VI. Solve the puzzle:  \( \frac{1}{2} \times 8 = 4 \)

ACROSS

1. We need these teeth to bite food.

2. Sweet tasting liquid produced in flowers.

3. Flower producing scent.

4. The hardest substance in the body.
1. People eat this during the time of famine.
2. The never ending source of energy.
3. Capacity to do work.
4. Use this to make crooked teeth straight.
PART B

I. Identify the following:  

a) A simple machine  
b) Crushing teeth

c) The largest flower  
d) Used as a dye

e) Electrical energy is converted into sound energy  
f) Male reproductive organ of a flower
g) A bunch of thin roots.

h)

Use ______________ energy to play.

I. Write down the source of energy

a)

b)

II. Tick the picture where work is done.

a) 

b) 

c) 

3
PART C

I. **Answer the following in one or two sentences.**
   
   (1 x 6 = 6)

   1. What is pedicel?
   2. Define machine.
   3. Name the different types of teeth found in human beings.
   4. Define soil erosion.
   5. What do you mean by gravitational force?
   6. What is the dental pulp made of?

II. **Give reasons for the following.**
    
   (2 x 3 = 6)

   1. You must rinse your mouth well after meals. Why?
   2. When we switch on an electric bulb it gets lighted. Why?
   3. Petals are brightly coloured. Why?

III. **Answer ANY FOUR of the following.**
    
   (2 x 4 = 8)

   1. How is heat useful to us?
   2. What are pollinators? Give two examples.
   3. How do roots help a plant?
   4. What is work? Give an example.
   5. How are teeth important to us?

IV. **Answer ANY ONE of the following**
    
   (3 x 1 = 3)

   1. Explain the centre of a flower with a diagram.
   2. I have a crown, I am not a king.
      I have a neck, I am not an animal.
      I have a root, I am not a plant.
      Who am I? Draw me, label and explain my parts.