Name: _____       Subject: Science            Max. Mks.: 50

Roll No:_____        Class:  VII                 Time: 2 hrs

Date: _____       Session: 2019-2020          No. of Ques: 07

**Q: I) Choose the correct answer:** (1x5=5M)

1. Which of the following is not a forest product
   a. Gum            b. Plywood        c. Sealing wax      d. Kerosene
2. A combination of two or more cells
   a. Battery        b. Circuit        c. Current          d. Fuse
3. Sweat contains water and _____
   a. Urea           b. Solid          c. Uric acid        d. Salt
4. Small bulb-like projection coming out from the yeast cell
   a. eyes           b. bud            c. Bryophyllum      d. Axil
5. Meter that measures the distance moved by a car
   a. Speedometer    b. Amphere        c. Odometer         d. Galvanometer

**Q: II) Fill in the blanks:** (1x5=5M)

1. Any polished or a shining surface acts as a _____.
2. Cleaning water is commonly known as _____ treatment.
3. The safety device based on the heating effect of electric current is called a _____.
4. The forest is a 'Dynamic _____ entity.
5. Water exist in three forms solid, liquid and _____.

**Q: III) Name the following:** (1x5=5M)

1. A system comprising of various plants, animals and micro-organisms.
2. An image which can be obtained on a screen.
3. The number of beats per minute.
4. Male reproductive part of a plant.
5. A current carrying coil of an insulated wire wrapped around a piece of iron.

**Q: IV) Answer the following in one sentence each:** (1x5=5M)

1. When is World Water Day celebrated?          2. What is pollination?
3. What is stomata?                             4. State any one effect of electric current.
5.  Give one use of a concave mirror.

**Q: V) Answer the following in short:** (3x5=15M)

1. Explain the relationship between sanitation and disease.
2. What is virtual image? Give one situation where a virtual image is formed.
3. Will the compare needle show deflection when the switch in the circuit is closed?
   **OR**
   Explain the function of a bar screen in a wastewater treatment plant.
4. Suraj takes 20 minutes from his house to reach his school on a bicycle. If the bicycle has a speed of 2 m/s, calculate the distance between his house and the school.
5. Which type of lens forms always a virtual image?
   **OR**
   There are ten tubewells in a lane of fifty houses. What could be the long term impact on the water table?

**Q: VI) Answer the following in detail:** (5x2=10M)

1. Describe the steps involved in getting clarified water from wastewater?
   **OR**
   Describe the function of a heart.
2. Explain why there is no waste in a forest.

**Q: VII) Draw neat-labelled diagram of the following:** (5x1=05 M)

a. Make a sketch showing groundwater and water table.