**LBS**

**SA – I**

**CLASS IV (2015-16)**

**SCIENCE**

**Time: 2 ½ hrs M M:50**

**Q1. Tick the correct answer: (5)**

1. **In a solution of milk and sugar, milk is the \_\_\_\_\_\_\_\_\_.**

**a. solute b. solvent c. solution**

1. **Tea leaves are separated from tea by \_\_\_\_\_\_\_\_\_.**

**a. evaporation b. filtration c. freezing**

1. **Which type of soil becomes very heavy and quite sticky when wet?**

**a. gravel b. sand c. clay**

1. **Starch turns iodine\_\_\_\_\_\_\_\_\_\_.**

**a. reddish brown b. bluish black c. yellow**

1. **\_\_\_\_\_\_\_\_\_\_\_\_ is an example of non-green plant.**

**a. pitcher plant b. duckweed c. coral root**

1. **On cooling water vapor changes into \_\_\_\_\_\_\_ state.**

**a. solid b. liquid c. melted**

1. **This type of soil is light and dry.**

**a. gravel b. sand c. clay**

1. **Plants store extra food as**

**a. fruit b. sugar c. starch**

1. **Plants with thorns are usually found in**

**a. areas with heavy rains**

**b. swampy area**

**c. deserts**

1. **Mangroves have \_\_\_\_\_\_\_\_\_\_\_ roots.**

**a. breathing b. climbing c. deep**

**Q2. State true or false: (4)**

1. **Venus flytrap is an insectivorous plant.**
2. **Plants store extra food in the form of starch.**
3. **Cutting down of trees decreases soil erosion.**
4. **Soluble substances can be separated by evaporation.**
5. **Sandy soil is good for growing plants.**
6. **The world’s tallest trees are the redwoods of California.**
7. **Chlorophyll in leaves is red in colour.**
8. **Same types of crop’s should be grown in a farm.**

**Q3. Give two examples for each of the following: (5)**

1. **Terrestrial plants.**
2. **Non green plants.**
3. **Parts of plant where starch can be stored.**
4. **Underwater plants**
5. **Medicinal plants**

**Q4. Write one word of the following: (5)**

1. **Plants that absorb food from dead plants and animals**
2. **Flat part of the leaf**
3. **The kind of soil that is light and dry**
4. **Any substance that has mass and occupies space**
5. **Dry lands with very less rainfall**

**Q5. Define (any three) (3)**

1. **Insoluble substances**
2. **Weathering**
3. **Filtration**
4. **Crop Rotation**

**Q6. Show a food chain. (2)**

**Q7. Answer the following: (10)**

1. **Differentiate between melting & evaporation.**
2. **Give any two properties of liquids.**
3. **Give two steps to conserve soil.**
4. **Write two important functions of leaves.**
5. **Discuss how plants and animals are interdependent on each other.**

**Q8. Answer the following: (Any four) (12)**

1. **Describe the three main types of soil.**
2. **Explain various parts of leaf with the help of diagram.**
3. **Explain sedimentation & draw its diagram.**
4. **List three causes of soil erosion.**
5. **Which raw materials are needed for photosynthesis and from where do they get it?**

**Q9. Write an activity to test starch. (4)**

 **Or**

 **Describe soil profile with a labeled diagram**